San Bernardino
Valley College

ACADEMIC CATALOG | 2026-2027

San Bernardino
Valley College

Welcome to the 2026-27 Academic Year!

On behalf of our entire San Bernardino Valley College team, it is my honor to welcome you to SBVC. This is a remarkable moment in our history. We are closing out our Centennial Year, 100 years of transforming lives, building community, and expanding opportunity right here in the heart of San Bernardino.

Over the past year, our college community celebrated a century of excellence: honoring the generations of students, faculty, classified professionals, and administrators who built SBVC into the institution we are proud of today. We commemorated our past, celebrated our present, and cast a bold vision for our future. That vision already has a name: Valley Up!

Valley Up! was introduced alongside the launch of our centennial celebration in Fall 2025. It is a powerful signal that even as we honor 100 years of history, we are already setting our sights on the next century. This fall marks a historic milestone for SBVC: the introduction of our first-ever bachelor's degree, in Water Resources Management. As this academic year unfolds and our centennial celebrations draw to a close, Valley Up! steps fully into focus as the driving force behind everything we do through 2030 and beyond. It is our commitment to elevate every student, every program, and every corner of our campus and community.

For our first-time students, welcome home to the pride of San Bernardino! You are joining us at an extraordinary moment. The traditions, the energy, and the excellence of SBVC are yours to experience, and we are here to support you every step of the way.

For our returning students, welcome back! You are the heart of this institution. We encourage you to get involved. Join a club, engage in student government, attend arts, athletics, theater, dance, or music performances. Your journey to an exciting career or transfer to a university will be enriched by the connections and experiences you build right here on campus.

Together, we are writing the next chapter of a century-old legacy, and our greatest days are still to come. I look forward to seeing you on campus.

VALLEY UP!

Gilbert J. Contreras, Ph.D.
President, San Bernardino Valley College

Bienvenidos al Año Académico 2026-27

En nombre de todo el equipo de San Bernardino Valley College, es un honor para mí darles la bienvenida a SBVC. Este es un momento extraordinario en nuestra historia. Estamos cerrando nuestro Año del Centenario: 100 años de transformar vidas, fortalecer nuestra comunidad y ampliar oportunidades aquí mismo, en el corazón de San Bernardino.

Durante el último año, nuestra comunidad celebró un siglo de excelencia: honrando a las generaciones de estudiantes, profesores, profesionales clasificados y administradores que construyeron SBVC hasta convertirlo en la institución de la que hoy nos enorgullecemos. Conmemoramos nuestro pasado, celebramos nuestro presente y trazamos una visión audaz para nuestro futuro. Esa visión ya tiene nombre: ¡Valley Up!

¡Valley Up! fue presentada junto con el lanzamiento de nuestra celebración del centenario en el otoño de 2025. Es una señal poderosa de que, incluso mientras honramos 100 años de historia, ya tenemos la mirada puesta en el próximo siglo. Este año también marca un hito histórico para SBVC: la introducción de nuestra primera licenciatura universitaria, en Gestión de Recursos Hídricos (Water Resources Management). A medida que este año académico avanza y las celebraciones del centenario llegan a su fin, ¡Valley Up! pasa a ser la fuerza impulsora de todo lo que hacemos hasta el 2030 y más allá. Es nuestro compromiso de elevar a cada estudiante, cada programa y cada parte de nuestro campus y comunidad.

Para nuestros nuevos estudiantes, ¡bienvenidos al orgullo de San Bernardino! Se están uniendo a nosotros en un momento extraordinario. Las tradiciones, la energía y la excelencia de SBVC son suyas para vivir, y estamos aquí para apoyarlos en cada paso del camino.

Para nuestros estudiantes que regresan, ¡bienvenidos de nuevo! Ustedes son el corazón de esta institución. Los animamos a participar activamente. Únanse a un club, involúcrense en el gobierno estudiantil, asistan a presentaciones de arte, atletismo, teatro, danza o música. Su camino hacia una carrera exitosa o transferencia a una universidad se enriquecerá con las conexiones y experiencias que construyan aquí en el campus.

Juntos, estamos escribiendo el próximo capítulo de un legado centenario, y nuestros mejores días están por venir. Espero verlos en el campus.

¡VALLEY UP!

Gilbert J. Contreras, Ph.D.
Presidente, San Bernardino Valley College

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SAN BERNARDINO VALLEY COLLEGE CATALOG 2026-2027

A Public Community College in California

A College of the San Bernardino Community College District

701 South Mount Vernon Avenue
San Bernardino, California 92410
(909) 384-4400
www.valleycollege.edu (http://www.valleycollege.edu)

Educational Mission: *San Bernardino Valley College provides innovative instructional programs and cohesive student services to support the educational goals of a culturally diverse community of learners by engaging in continuous improvement and actively working towards an antiracist culture to foster an environment of meaningful learning and belonging for our students, employees, and the community.*

***SBVC is an equal opportunity institution. Courses and programs are provided for all residents regardless of race, color, religion, sexual orientation or physical disabilities. This publication is available in alternate formats (Braille, large print, e-text) for qualified persons with disabilities. For information call (909) 384-4443 or visit our* website (https://www.valleycollege.edu/student-services/specialized-counseling-services/disability-services/).**

Accuracy Statement: *The San Bernardino Community College District has made every effort to publish an accurate college catalog, but may without notice, change general information, courses, or programs offered. The reasons for change may include student enrollment, level of funding, or other issues decided by the district or college. The district and college also reserve the right to add to, change, or cancel any rules, regulations, policies and procedures as provided by law. Please visit the San Bernardino Valley College website for the most up-to-date and accurate information.*

Board of Trustees

Name	Title
Frank Reyes	Trustee, Area 1
Joseph R. Williams	Board Vice Chair, Area 2
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Jazmyn Garcia	Student Trustee, CHC
Natalie Garcia	Student Trustee, SBVC

District Administration

Name	Title
Diana Z. Rodriguez, Ed.D.	Chancellor
Jose F. Torres, M.P.A.	Executive Vice Chancellor - Fiscal, Administrative, & Media
Nohemy Ornelas, Ed.D.	Vice Chancellor of Educational and Student Support Services
Kristina Hannon, M.A.	Vice Chancellor - Human Resources and Police Services
Angel Rodriguez, B.A.	Associate Vice Chancellor - Government Relations & Strategic Communication

San Bernardino Valley College Administration

Name	Title
Gilbert J. Contreras, Ph.D.	President
Keith Bacon, M.P.A.	Vice President - Administrative Services
Leticia Hector, M.A.	Vice President - Instruction
Yvonne Gutierrez-Sandoval, M.A.	Vice President - Student Services

Visit the Administration Page (https://catalog.valleycollege.edu/administration-faculty/administration/) *for a complete list of San Bernardino Valley College Administration.*

COLLEGE GENERAL

The College

San Bernardino Valley College is a comprehensive community college that serves the residents of the Inland Empire. The college is one of 116 locally governed California Community Colleges, and as such, is regulated by the California Education Code and is subject to the directions of the California Legislature and the California Community College Board of Governors. The college is responsible to its local constituency through an elected Board of Trustees, which is the primary policy-making body for the college. Students of the college are drawn, for the most part, from the local community. In addition, specific programs at the college attract students from throughout the state and world. Students range in age from under 18 to over 80 years, and reflect the ethnic and cultural diversity of the region.

History

San Bernardino Valley College was established in 1926, and originally served only the San Bernardino and Colton Unified School Districts. The population served has now expanded to include communities throughout the Inland Empire. Over the years, the original four-building campus has grown to one of 43 buildings grouped around a central, park-like open space, giving easy access to the numerous special purpose classrooms, lecture halls, laboratories, studios, shops and practice rooms. A faculty of 16 has grown to a teaching staff of more than 180 full-time and 480 adjunct faculty, and student body of 140 has grown to over 17,000. San Bernardino Valley College is proud of its long tradition of service to our community, and the faculty and staff is gratified to know they have played an important part in improving the lives of so many.

Mission Statement

San Bernardino Valley College provides innovative instructional programs and cohesive student services to support the educational goals of a culturally diverse community of learners by engaging in continuous improvement and actively working towards an antiracist culture to foster an environment of meaningful learning and belonging for our students, employees, and the community.

Vision Statement

Through offering a variety of degrees, certificates, skill-building courses, and opportunities for personal and professional enrichment, San Bernardino Valley College strives to be the institution of choice for the region. Our inclusive culture, quality education, and comprehensive support services will create leaders dedicated to promoting social justice and community advocacy on a local and national level.

Values

San Bernardino Valley College's commitment to its mission is expressed through its values.
As a community, the college values:

Diversity, Equity, Inclusion, and Anti-Racism: Our strength as an institution is enhanced by the cultural diversity, and varied lived experiences of our students, faculty, staff, and external community. Policies, plans, and decisions must be data-informed, utilize an equity lens, and be based on thoughtful consideration of what will best serve our students and the community at large.

Student Success: Quality education and training supports students in improving their lives and the lives of their families, while uplifting the community. Students will enhance their ability to think critically, to communicate clearly, and to grow personally and professionally within an enriched learning environment that promotes creativity, self-expression, and the development of critical thinking skills. We strive to identify and address equity gaps through evidence-based research to ensure that each student has the opportunity to succeed.

Open Access: We are committed to providing quality programs and services for every member of our community regardless of their level of preparedness; socioeconomic status; gender and gender expression; sexual orientation; cultural, religion, ethnic background; and abilities. Additionally, we must provide students with access to the resources, services, and technological tools that will enable them to achieve their educational goals.

Campus Climate: We value a campus-wide climate that is student-focused, fosters mutual respect between all constituencies, values multiple perspectives, and appreciates diverse cultures and human experiences. We must hold ourselves and our students to the highest ethical and intellectual standards.

Participatory Governance: As part of the collegial consultation process, all levels of the college must openly engage in sharing ideas and suggestions to develop innovative ways to improve our programs and services. We value equitable, inclusive, collaborative, and transparent governance processes grounded in open, honest, and reflective discourse.

Strategic Initiatives

San Bernardino Valley College's Institutional Guiding Principle: *We are committed to quality and excellence in all of our efforts.*

Our Strategic Initiatives are as follows:

- Increase Access
- Promote Student Success
- Improve Communication, Culture, and Climate
- Maintain Leadership and Promote Professional Development
- Effective Evaluation and Accountability
- Provide Exceptional Facilities

Accreditation

San Bernardino Valley College is fully accredited by the following agencies:

Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges
428 J Street, Suite 400 I
Sacramento, CA 95814
(415) 506-0234

Aeronautics

Federal Aviation Administration (FAA) FAR Part 147
U.S. Department of Transportation - Federal Aviation Administration
800 Independence Avenue, SW
Washington, DC 20591
(866) 835-5322

General Electrician

California State Department of Industrial Relations - Electrical Programs
Department of Industrial Relations
Division of Labor Standards Enforcement - Electrician Certification Unit
P.O. Box 920603
San Francisco, CA 94142-0603
(510) 286-3900

Human Services

California Association for Drug/Alcohol Educators (CAADE)
5230 Clark Avenue
Lakewood, CA 90712
(707) 722-2331

Nursing

Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000

California Board of Registered Nursing
P.O. Box 944210
Sacramento, CA 95814
(916) 322-3350

Pharmacy Technology

American Society of Health System Pharmacists (ASHP)
4500 East-West Highway, Suite 900
Bethesda, MD 20814
(866) 279-0681

Police Academy

California Commission on Peace Officers Standards and Training
860 Stillwater Road, Suite 100
West Sacramento, CA 95605
(916) 227-3909

Psychiatric Technology

Board of Vocational Nursing and Psychiatric Technicians (BVNPT)
2535 Capitol Oaks Drive, Suite 205
Sacramento, CA 95833
(916) 263-7800

Institutional Learning Outcomes

The five (5) Institutional Learning Outcomes listed below describe the skills and abilities the student should be able to demonstrate after completing the requirements for an Associate Degree at San Bernardino Valley College. These Institutional Learning Outcomes are embedded in our established pattern of general education courses, in our more advanced major-preparation courses, and in the student service learning experiences we provide over the span of a student's enrollment at the college. In addition, assignments that lead to the acquisition of these core skill sets are embedded in the coursework required for vocational certificates. The Institutional Learning Outcomes are:

a. **Communication Skills:** Comprehend content and communicate in written, spoken, signed, or artistic formats.
b. **Quantitative Reasoning Skills:** Apply mathematical or analytical skills to identify and solve problems and synthesize and evaluate ideas.
c. **Critical Thinking Skills and Information Literacy:** Critically evaluate qualitative and quantitative hypotheses, sources, and conclusions.
d. **Personal, Academic, and Career Responsibilities:** Develop goals for personal, academic, and career environments.
e. **Social and Global Awareness:** Recognize the impact of one's actions on the environment and one's role in society with respect to diversity, equity, inclusion, and anti-racism.

For additional information on SBVC's Institutional Learning Outcomes, please visit the website (https://www.valleycollege.edu/about-sbvc/campus-committees/outcomes/ilo/).

Campus Safety

To Report A Life-Threatening Emergency, Call 911

Campus Safety Mission Statement

The San Bernardino Community College District Police, in concert with the Board of Trustees, is committed to providing a safe and secure learning and working environment for all students and employees. This will be accomplished through a cooperative and coordinated effort involving all departments and the San Bernardino Community College District employees, law enforcement agencies and community.

It is a policy of the Board of Trustees for the San Bernardino Community College District to protect members of the entire college community and the property of the District. In accordance with this policy, the District maintains a Police Department 24 hours a day, 7 days a week. The officers are sworn and duly Commissioned Police Officers of the State of California as defined in section 830.32 of the Penal Code and 72330 of the California Education Code and authority extends to anywhere within the state.

For Non-Emergencies

Contact the San Bernardino Community College District Police Department (SBCCD PD) 24 hours a day, 7 days a week at (909) 384-4491.
Phone Number: (909) 384-4491
Business Office Location: Lois Carson Campus Center (LCCC) 100
Business Office Hours: Monday - Friday from 8:00 a.m. to 4:00 p.m. (except for holidays and SBCCD academic breaks)

Please call to locate and/or turn in lost articles or to relay concerns for personal safety along with parking rules and regulations. The SBCCD PD contracts with California State University, San Bernardino (CSUSB) PD to provide 24-hour dispatch services for each of the two campuses, as well as the SBCCD District Support Operations. CSUSB dispatchers are POST-certified professionals who answer calls for each of the campuses' direct phone lines, 9-1-1, and the emergency blue phones located on SBVC campus.

In 1990, the U.S. Congress enacted the "Crime Awareness and Campus Security Act of 1990," which requires colleges and universities to disclose information about crime on and around their campuses. This law was renamed in 1992 to the "Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act". The San Bernardino Community College District provides this information in the Annual Security Report (https://sbccd.edu/district-services/police-department/) that is available to all campus community members and the public. This report provides statistical, policy, and procedural information required by the Clery Act.

For prevention and survival tips on active shooter situations, sexual assault, personal safety, and thefts, visit the Police Department website (https://sbccd.edu/district-services/police-department/). Here you can view past presentations, schedule a presentation for your class or department meeting, access local and state websites for additional resources, and print/download numerous safety resources. Students may also view the Campus Information and Safety Awareness Orientation presentations (https://sbccd.edu/district-services/police-department/) on the website.

Referral Resources on Campus

Counseling: (909) 384-4404
Office of Student Life: (909) 384-4474
Student Health Services: (909) 384-4495

Use of Image, Likeness or Voice Captured at Public Events

The various sites of the San Bernardino Community College District (including San Bernardino Valley College) often host events that are open to the public such as, but not limited to, graduation, athletic competitions, job fairs, speakers, and various activities held on campus or district property. Those events are considered news events. Such an event may be photographed, videotaped or webcast for purposes of archiving the event, educational use, or publicity. Students, staff, faculty and the public who attend those events may have their image or voice captured on video, webcast or photograph(s). Due to the nature of these events, the San Bernardino Community College District, and its various sites, has no means by which to prevent such photographs, videotaping or webcastings from including a specific attendee's image or voice. By attending the event, such person is granting the site and the SBCCD the right to use any such still or motion images or voice recordings in future publicity or publications, including web postings as needed and without compensation. No release shall be required by the SBCCD or its sites to utilize in an appropriate manner any images captured during a public event, even if the subject is a minor.

For additional information, please contact the Director of Strategic Communications & Marketing at (909) 384-8978 or by email at pbratulin@valleycollege.edu (pbratulin@sbccd.edu).

San Bernardino Valley College Foundation

In 1973, the San Bernardino Valley College Foundation (SBVC Foundation) was founded on the belief that college strengthens the individual and the community. The SBVC Foundation is an independent. nonprofit, 509(a)(3)organization whose purpose is to raise and administer funds for the benefit of San Bernardino Valley College. As students earn degrees and certificates, together the San Bernardino Valley College Foundation and San Bernardino Valley College foster economic growth and improve qualify of life in the Inland Empire and beyond.

Mission

The San Bernardino Valley College Foundation's mission is to serve as a fundraising organization that is committed both to the stewardship, sound management and effective utilization of the Foundation's financial assets and to supporting San Bernardino Valley College's ongoing commitment to provide high-quality education, innovative instruction, and services to a diverse community of learners.

Foundation Staff

Name	Title
Mike Layne	Executive Director
Lacee Domon	Development Coordinator
Eve Mulhul	Development Coordinator
Phylicia Sanchez	Development Coordinator
Raina Okray	Administrative Assistant II

Board of Directors

Name	Title
George San Martin	Foundation President
Pamela Montana	Foundation Vice President
Dr. Gilbert Contreras	Foundation Secretary
Keith Bacon	Foundation Treasurer
Dr. Dolores Armstead	
Dr. Susan Bangasser	
Michael Burrows	
Scott Henderson	
Ernesto Izarraras	
Shelley Krusbe	
Becky Lepins	
Bronica Martindale	
Kimberly Morales	
Dr. Robert Nava	
Shelby Obershaw	
Lisa Obershaw Durham	
Joseph Paulino	
Anthony Roberson	
Thomas Robles	
Dexter Thomas	
James Tillman	
Helen Tran	

ACADEMIC STANDARDS AND POLICIES

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Attendance

All students are expected to attend classes regularly. Each instructor will inform students at the beginning of each term exactly what is to be expected regarding attendance in class, and the instructor's decision is final. In the event an absence is unavoidable, students are responsible for notifying instructors.

A student's failure to attend class meeting(s) during the first week of a term may result in the student being dropped from the class. After the first week of classes during any term, an instructor may drop a student from any class in which the student has:

- Violated the instructor's stated attendance requirements
- Accrued more than two absences per unit, or
- Attended so irregularly that the instructor feels it is unwise for the student to continue.

Instructors may not drop students after the 11th week of instruction (for full semester classes) or after 60 percent of instruction (for short-term classes).

Class Attendance

Students who are not in attendance at the first class meeting are considered "no-shows." Instructors may choose to drop no-shows in order to give their seats to non-registered students seeking entrance to the course. In this case, students are still responsible for the student fees.

Withdrawal from Classes

If a student stops attending class, it is their responsibility to officially drop the class. A student who wishes to drop one or more classes but continue enrollment in other classes should drop the course online prior to the end of the second week (or 20% of a term, whichever is sooner). No entry will be made on the student's record for dropping a class prior to the 20% deadline. A student who withdraws or is dropped from a course before 60% of the class has been completed will not receive a letter grade. Instead, a W (Withdrawal) will be recorded on the student's transcript. This symbol carries no evaluation of the student's work, but is a clerical notation that the student was enrolled in the course and withdrew or dropped without grade or unit credit. W's are used in probation and dismissal procedures as well as in determining satisfactory academic progress for financial aid. Students will receive a letter grade if they continue any course after 60 percent of a class has been completed. Student may receive no more than three (3) "W" grades for any one course (Title 5, section 55024). A student activated for military service may receive a military withdrawal (MW) at any time during the semester. Military withdrawals will not factor into progress probation and disqualification. Students who are members of the military (active or reserve) or National Guard should present their military orders to Admissions and Records in order to have the MW assigned.

Classification of Student Load

Students are defined as full-time when enrolled in 12 or more units in either the Fall or Spring semesters. A part-time student is one who is enrolled in fewer than 12 units in either the Fall or Spring semesters. During the summer session, a full-time student is enrolled in 6 or more units and a part-time student is enrolled in fewer than 6 units. (Please note that for financial aid purposes, 12 units is considered full-time during the summer session, as well). An overload of units requires a counselor's signature for registration. Overloads are considered to be anything over 18 units for the Fall or Spring semesters and anything over 8 units for the Summer term.

Credit Hours (Units)

One credit is awarded for each 16-18 lecture hours of instruction, or for 48-54 laboratory hours, or for appropriate combinations of lecture and laboratory hours. For each one hour of lecture, students are expected to fulfill at least two hours of work outside of class in reading, preparing assignments or other activities related to the course.

Class hours are defined as 50 minutes. Classes scheduled for more than an hour follow formulas to stay close to this definition. For example, a class schedule from 6:00 to 7:30 p.m. (90 minutes) actually meets for 80 minutes, allowing for a 10-minute passing period. Longer class meeting patterns have required breaks. San Bernardino Valley College follows these time patterns.

Alternative Sources of Credit

Credit for Prior Learning (CPL)

Credit for Prior Learning (CPL) is college credit awarded for validated college-level skills and knowledge gained outside of a traditional classroom setting. Such learning can be acquired through life, work, or other non-academic experiences, such as military training industry certifications or apprenticeships. SBVC supports CPL and the CCCCO "Vision 2030" by embracing CPL to improve student access, completion, equity and achievement gaps. For more information on CPL, visit the Credit for Prior Learning at SBVC (https://www.valleycollege.edu/cpl/) website.

Other Alternative Sources of Credit

- Credit by Examination (p. 8)
- Credit for Advanced Placement (AP) Examinations (p. 9)
- Credit for Courses From Other College and Universities (p. 10)
- Credit for DSST/DANTES (Defense Activity for Non-Traditional Education Support) (p. 11)
- Credit for Military Service (p. 11)
- Credit for the College Level Examination (CLEP) Program (p. 11)

- Credit for the International Baccalaureate (IB) (p. 13)
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Credit by Examination

(BP/AP4235 Credit for Prior Learning)

Students may demonstrate proficiency in a course eligible for Credit for Prior Learning and receive college credit through the approved alternative methods for awarding credit listed below:

- Achievement of a score of *3 or higher* on an Advanced Placement Examination administered by the College Entrance Examination Board.
- Achievement of a score that qualifies for credit by examination in the College Level Examination Program (CLEP).
- Evaluation of joint service transcript (JST) that considers the credit recommendations of the American Council on Education pursuant to Education Code 66025.71.
- Evaluation of industry-recognized credential documentation.
- Evaluation of student-created portfolios.
- Credit by satisfactory completion of an examination administered by the college in lieu of completion of a course listed in the college catalog.
- Achievement of an examination administered by other agencies approved by the college.
- Assessment approved or conducted by proper authorities of the college.

Determination of Eligibility for Credit for Prior Learning:

- The student must be currently registered in the college and in good standing.
- The student must have previously earned credit or noncredit from the college or be currently registered in the college.
- Current students must have an education plan on file.
- The student is not currently enrolled in the course to be challenged.
- Credit by Examination: The student is registered in the college and not currently enrolled in nor received credit for a more advanced course in the same subject (may be waived by discipline faculty). The determination to offer credit by examination rests solely on the discretion of the discipline faculty.

Credits acquired by examination shall not be counted in determining the 12 semester hours of credit in residence required for an associate's degree.

- A fee may be charged for administering an examination provided that the fee does not exceed the enrollment fee which would be associated with enrollment in the course for which the student seeks credit by examination.
- The student's academic record shall be clearly annotated to reflect that credit was earned by assessment of prior learning.

Upon a student's demonstration of sufficient mastery through an examination or assessment, an award of credit should be made, if possible, to:

- California Intersegmental General Education Transfer Curriculum (IGETC),
- California State University General Education (CSUGE) Breadth,
- The college's general education requirements or requirements for a student's chose program, or
- Electives for students who do not require additional general education or program credits to meet their goals.

Grading shall be according to the regular grading system approved by the governing board, except that students shall be offered a "pass-no pass" option if that option is ordinarily available for the course.

The SBCCD Board of Trustees will review the credit for prior learning policy every three years and report the findings to the California Community College Chancellor's Office that include the following:

- The number of students who received credit for prior learning,
- The number of credits awarded per student,
- Retention and persistence rates of students earning credit for prior learning,
- Completion data (for certificate, degree, and transfer) for students earning credit for prior learning, and
- Qualitative assessments by students of the policies and procedures.

An application for Credit-By-Examination is available in the Admissions and Records Office (AD/SS 100). In addition to paying an enrollment fee based on the number of units in the course that is being challenged, there is an additional processing fee, which is applied to all credit-by-examination applications. (Note: all students, including those with the Board of Governor fee waivers, must pay the processing fee and enrollment fee based on units when applying for credit-by-examination.)

Once the application has been approved by the administrator and the necessary fees have been paid, the instructor may administer the examination and submit the grade earned. Grades will be consistent with the grading systems established by the college and will be submitted by the Division to the Admissions and Records Office by the end of the semester in which the examination is completed. The student's transcript will contain a notation that indicates that the credit was earned by examination. Any grades earned through credit-by-examination will not be counted in determining the twelve (12) semester units of credit in residence required for graduation from the college. Upon completion, a notification will be sent to your Valley College email. Financial aid is not available for credit by examination.

Credit for Advanced Placement (AP) Examinations

Students who have completed Advanced Placement (AP) examinations of the College Entrance Examination Board with scores of 3, 4, or 5 may receive credit at San Bernardino Valley College as indicated in the table below, in accordance with Title 5, §55052.5. A grade of Pass (P) will be assigned on the transcript. Credit awarded through AP examinations may be used to satisfy general education (GE)/graduation requirements toward the associate degree and Cal-GETC certification. Transfer universities re-evaluate AP credit. Units earned through AP credit do not apply toward financial aid eligibility and may not be used to satisfy the 12-unit residence requirement for graduation. Students must be enrolled at San Bernardino Valley College to receive AP credit. Additional information and important examination-specific policies are provided in the AP Exam Notes following the chart. To request credit for AP examinations, visit the Admissions and Records Office, AD/SS 100, or call (909) 384-4401.

Advanced Placement Exam with Score of 3, 4, or 5	SBVC Units Awarded	SBVC Waiver Course	SBVC General Education Graduation Credit	Cal-GETC Credit
African American Studies	3	No equivalent	None	None
Art History	3	No equivalent	Area 3A, 1 course	Area 3A or 3B
Art: Studio 2D Design	3	ART 120	Area 3A, Applied, 1 course	None
Art: Studio 3D Design	3	ART 121	Area 3A, Applied, 1 course	None
Art: Studio Drawing	3	ART 124A	Area 3A, Applied, 1 course	None
Biology	4	BIOL C1000	Area 4B, 1 course	Areas 5B and 5C
Business with Personal Finance	3	No equivalent	None	None
Chemistry	4	CHEM 150	Area 4A, 1 course	Areas 5A and 5C
Comparative Government and Politics	3	No equivalent	Area 3B, 1 course	Area 4
Chinese Language and Culture	3	No equivalent	Area 3A, 1 course	Area 3B
Computer Science A	3	CS 110	None	None
Computer Science Principles	3	CS 190	Area 2, 1 course	None
Economics: Macroeconomics	3	ECON C2002 or C2002H	Area 3B, 1 course	Area 4
Economics: Microeconomics	3	ECON C2001 or C2001H	Area 3B, 1 course	Area 4
English: Language & Composition	3	ENGL C1000 or C1000H	Area 1A, 1 course	Area 1A
English: Literature & Composition	6	ENGL C1000 or C1000H + ENGL C1002	Area 1A + Area 3A	Areas 1A or 3B
Environmental Science	4	BIOL 104	Area 4B, 1 course	Area 5A and 5C
French Language and Culture	3	Score 3, 4 or 5 = FRENCH 102	Area 3A, 1 course	Area 3B
German Language and Culture	3	No equivalent	Area 3A, 1 course	Area 3B
Government and Politics: US	3	POLS C1000 or C1000H	Area 3B, 1 course	Area 4
History: European	3	No equivalent	Area 3A or Area 3B, 1 course	Area 3B or 4
History: U.S.	3	HIST C1001 or C1001H or C1002 or C1002H	Area 3A or Area 3B, 1 course	Area 3B or 4
History: World-Modern	3	HIST 171	Area 3A or Area 3B, 1 course	Area 3B or 4
Human Geography	3	GEOG 102	Area 3B, 1 course	Area 4
Italian Language and Culture	3	No equivalent	Area 3A, 1 course	Area 3B
Japanese Language and Culture	3	No equivalent	Area 3A, 1 course	Area 3B
Latin	3	No equivalent	Area 3A, 1 course	Area 3B
Mathematics - Calculus AB	3	MATH C2210	Area 2, 1 course	Area 2
Mathematics - Calculus BC	3	MATH C2220	Area 2, 1 course	Area 2

Music Theory	3	MUS 101 + MUS 101L + MUS 102 + MUS 102L	Area 3A, 1 course	None
Physics 1	4	PHYSIC 151	Area 4A, 1 course	Areas 5A and 5C
Physics 2	4	PHYSIC 152	Area 4A, 1 course	Areas 5A and 5C
Physics C-Mechanics	4	PHYSIC 202	Area 4A, 1 course	Areas 5A and 5C
Physics C-Electricity and Magnetism	4	PHYSIC 203	Area 4A, 1 course	Areas 5A and 5C
Precalculus	3	No equivalent	Area 2, 1 course	None
Psychology	3	PSYC C1000 or C1000H	Area 3B, 1 course	Area 4
Spanish Language and Culture	3	Score 3=SPAN 102 or 102H Score 4=SPAN 103 or 103H Score 5=SPAN 104	Area 3A, 1 course	Area 3B
Spanish Literature and Culture	3	No equivalent	Area 3A, 1 course	Area 3B
Statistics	3	STAT C1000 or C1000H	Area 2, 1 course	Area 2

AP Exam Notes

- The AP chart is based on the most current information available at the time of catalog publication.
- SBVC GE: refer to the California Community Colleges Chancellor's Office (CCCCO) AP, IB, and CLEP Examination Chart (https://catalog.valleycollege.edu/academic-standards-policies/alternative-sources-credit/credit-advanced-placement-ap-examinations/ESLEI-24-35-Annual_Updated_Examination_Charts_for_IB_CLEP_and_AP-a11y.pdf) for passing scores and credit details per Title 5 §55052.5
- The following examination-specific policies and credit limitations apply:
  - If a student passes more than one AP examination in calculus or computer science and/or more than one IB examination in mathematics or computer science, credit
    for only one examination may be applied toward the baccalaureate.
  - Students who pass the AP Environmental Science examination earn four units of baccalaureate credit. For examinations completed prior to Fall 2009,the credit may be
    applied to either GE Area 5A + 5C or GE Area 5B + 5C. Beginning Fall 2009, the credit may be applied only to GE Area 5A + 5C.
  - If a student passes more than one AP examination in physics, only six units of baccalaureate credit may be applied, and only four units may be applied to GE Area 5A + 5C.*
  - If a student passes more than one AP examination in English, only six units of baccalaureate credit may be applied.
- Cal-GETC: AP transfer credit and the number of units awarded toward Cal-GETC and admission eligibility are determined by the CSU and UC systems. Refer to Cal-GETC Standards Version 1.3 (https://icas-ca.org/wp-content/uploads/2025/06/Cal-GETC_Standards_1v3_-Final_r-2.pdf) for more information.
- Each CSU and UC campus determines how an AP exam may apply to major requirements and which scores are acceptable. This information can be found in the university's college catalog or website.
- For the complete list of CSU AP policies and credit information, visit: Viewing CSU Systemwide Credit for External Examinations (https://calstate.policystat.com/policy/17947386/latest/)
- For the complete list of UC AP policies and credit information, visit: AP credits | UC Admissions (https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/)

Credit for Courses From Other College and Universities

Academic credit earned at other institutionally accredited institutions may be evaluated once a student has completed 12 degree-applicable units at San Bernardino Valley College (SBVC). It is important that students request official transcripts from all previously attended colleges. Official transcripts should be sent directly to the Admissions and Records Office (AD/SS 100).

Religious coursework completed at denominational colleges must be equated with SBVC courses to be considered for credit. Religious courses that do not align with SBVC curriculum will not be accepted for credit.

Students who have completed coursework at institutions outside the United States and wish to apply that coursework toward their educational goals at SBVC must have their academic credentials evaluated by a recognized independent evaluation agency. A list of recommended agencies is available in the Records Office (AD/SS 100).

Note: The 12-unit residence requirement does not apply to applicants to the SBVC Registered Nursing program.

Credit for DSST/DANTES (Defense Activity for Non-Traditional Education Support)

A student must be enrolled at San Bernardino Valley College to receive course credit for DANTES/DSST Examinations. Credit will not be granted for examinations in which equivalent or more advanced course work has been completed. Examinations listed on the table have been reviewed by SBVC faculty. Students should be aware of the following:

a. University of California does not accept DANTES/DSST credit.
b. DANTES/DSST Examinations are not accepted toward Cal-GETC.
c. Acceptance of DANTES/DSST Examinations varies among transfer universities and other community colleges. Students should be advised that the DANTES/DSST Examinations get re-evaluated.
d. DANTES/DSST Examinations may be under review; therefore, the table below may not be inclusive of all examinations.

Any questions may be directed to the Articulation Officer in the Counseling Center (AD/SS 103).

DANTES/DSST Examination	SBVC Required Score	SBVC Units	SBVC Equivalent Course (to clear prerequisite requirements)	SBVC Graduation Requirement	Cal-GETC Area
Ethics in America	46/400	3	None	Area 3A	No credit
Introduction to Business	46/400	3	BUSAD 100	No credit	No credit
Fundamentals of College Algebra	None	None	None	No credit	No credit
Introduction to World Religions	48/400	3	RELIG 101	Area 3B	No credit
Lifespan Developmental Psychology	46	3	None	Area 3B or Area 5	No credit
Principles of Statistics	None	None	None	No credit	No credit

Credit for Military Service

Currently enrolled students who have had a minimum of one year active duty military service will receive three (3) units of credit toward SBVC Associate Degree Graduation Requirements: Lifelong Learning and Self-Development. To obtain this credit, students need to provide a copy of their DD-214 (Service 2 or Member 4) or other official evidence of U.S. military service while on active duty. A Petition for Military Service Credit may be obtained from the Admissions and Records Office (AD/SS 100).

Students who completed coursework at other accredited colleges or universities while using veteran benefits, must submit official transcripts to the Admissions and Records Office, and request an official evaluation within two (2) semesters. To obtain credit for military coursework, students must provide a copy of their AARTS (Army/American Council on Education Registry Transcript System) or SMART (Sailor-Marine American Council on Education Registry Transcript System) Transcript. The American Council on Education makes recommendations for college credit directly on the AARTS or SMART Transcript. It is advisable to meet with a counselor to determine if the military coursework will apply toward the selected degree major and/or general education requirements. If a determination is made to award credit towards a major, then a Modification of Major form needs to be completed by the appropriate department chair. The Credit for Military Training or DANTES form is available from the Articulation Officer located in the Counseling Center, AD/SS 103.

Transfer of Credit

Transfer Credit Evaluations are only completed upon the student earning San Bernardino Valley College Residency. In order to achieve residency, twelve (12) degree applicable semester units must be earned at San Bernardino Valley College. Transfer Credit Evaluations may take up to fifteen (15) business days to complete and up to thirty (30) business days to complete during peak periods. It is the student's responsibility to provide course descriptions and/or course outlines if requested and this process may be delayed until the student has submitted all supporting documentation as requested by the office of Admissions and Records. The student understands that all official San Bernardino Valley College communication regarding this request will be sent to the student's SBVC College electronic mail account and it is the student's responsibility to maintain this account.

Credit for the College Level Examination (CLEP) Program

A student must be enrolled at San Bernardino Valley College to receive credit for CLEP examinations. Credit will not be granted for equivalent or more advanced coursework that has already been completed. Students will receive appropriate credit for CLEP examinations as indicated in the table below, in accordance with Title 5, §55052.5. SBVC faculty have determined equivalencies to SBVC courses. Additional information and important examination policies are provided in the CLEP Exam Notes following the chart. Students should be aware of the following:

- CLEP cannot be used for Cal-GETC.
- University of California does not accept CLEP Examinations.
- Acceptance of CLEP varies at campuses of the CSU.
- At SBVC, credit for CLEP Examinations is on a pass/no pass basis only; no letter grades are assigned.
- Some CLEP Examinations may be under review at SBVC. CLEP scores for examinations no longer offered are evaluated on an individual basis.
- Students request credit for CLEP through the Admissions and Records Office, AD/SS 100, or by calling (909) 384-4401.

Business

CLEP Examination	SBVC Required Score	SBVC Units	SBVC Equivalent Course (to clear prerequisite requirements)	SBVC Graduation Requirement	Cal-GETC Area
Principles of Accounting	50	3	None	No credit	No credit
Introductory Business Law	50	3	BUSAD 210	No credit	No credit
Info. Systems & Computer Apps.	50	3	None	No credit	No credit
Principles of Management	50	3	None	No credit	No credit
Principles of Marketing	50	3	None	No credit	No credit
Financial Accounting	50	3	None	No credit	No credit

Composition and Literature

CLEP Examination	SBVC Required Score	SBVC Units	SBVC Equivalent Course (to clear prerequisite requirements)	SBVC Graduation Requirement	Cal-GETC Area
American Literature	50	3	None	Area 3A	No credit
Analyzing & Interpreting Literature	50	3	None	Area 3A	No credit
College Composition	No credit	No credit	None	No credit	No credit
English Literature	50	3	None	No credit	No credit
Humanities	50	3	None	Area 3A	No credit

Foreign Languages

CLEP Examination	SBVC Required Score	SBVC Units	SBVC Equivalent Course (to clear prerequisite requirements)	SBVC Graduation Requirement	Cal-GETC Area
French Language (Levels 1 and 2) - Complete both	59	3	FRENCH 102	Area 3A	No credit
German Language (Levels 1 and 2) - Complete both	60	3	None	Area 3A	No credit
Spanish Language (Levels 1 and 2) - Complete both	63	3	SPAN 102	Area 3A	No credit
Spanish with Writing II	65	3	None	Area 3A	No credit

History and Social Sciences

CLEP Examination	SBVC Required Score	SBVC Units	SBVC Equivalent Course (to clear prerequisite requirements)	SBVC Graduation Requirement	Cal-GETC Area
American Government	50	3	None	Area 3B	No credit
Human Growth and Development	50	3	PSYC 111	Area 3B	No credit
Introduction to Educational Psychology	50	3	None	No credit	No credit
Introductory Psychology	50	3	PSYC C1000	Area 3B	No credit
Introductory Sociology	50	3	SOCI C1000	Area 3B	No credit
Principles of Macroeconomics	50	3	ECON C2002	Area 3B	No credit

Principles of Microeconomics	50	3	ECON C2001	Area 3B	No credit
History of the United States I	50	3	HIST C1001	Area 3B	No credit
History of the United States II	50	3	HIST C1002	Area 3B	No credit
Western Civilization I	50	3	None	Area 3A or Area 3B	No credit
Western Civilization II	50	3	None	Area 3A	No credit

Science and Mathematics

CLEP Examination	SBVC Required Score	SBVC Units	SBVC Equivalent Course (to clear prerequisite requirements)	SBVC Graduation Requirement	Cal-GETC Area
Biology	50	3	BIOL C1000 (No lab credit)	Area 4B (No lab credit)	No credit
Calculus	50	3	MATH C2210	Area 2	No credit
Chemistry	50	3	None	Area 4A (No lab credit)	No credit
College Algebra	50	3	MATH 102	Area 2	No credit
College Algebra – Trigonometry	50	3	None	Area 2	No credit
College Mathematics	No Credit	No Credit	None	No credit	No credit
Natural Sciences	50	3	None	Area 4A or Area 4B	No credit
Precalculus	50	3	MATH 151	Area 2	No credit

CLEP Exam Notes

- The CLEP chart is based on the most current information available at the time of catalog publication.
- Refer to the California Community Colleges Chancellor's Office (CCCCO) AP, IB, and CLEP Examination Chart (https://catalog.valleycollege.edu/academic-standards-policies/alternative-sources-credit/credit-college-level-examination-clep-program/ESLEI-24-35-Annual_Updated_Examination_Charts_for_IB_CLEP_and_AP-a11y.pdf) for passing scores and credit details per Title 5 §55052.5.
- For CLEP language examinations, if a student passes more than one examination in the same language other than English (e.g., two French examinations),
  only one examination may be applied toward the baccalaureate. A passing score of 50 is considered Level I and earns six units of baccalaureate credit.
  The higher score identified for each language examination is considered Level II and earns nine units of baccalaureate credit and placement in General Education Area 3A, where applicable.

Credit for the International Baccalaureate (IB)

A student must be enrolled at San Bernardino Valley College to receive course credit for the International Baccalaureate (IB) diploma or certificates.
A score below 4 on Mathematics (HL) will require students to complete the SBVC self-guided placement. Please refer to the table below for IB credit in accordance with Title 5, §55052.5. Students who have earned credit from an IB examination should not enroll in a comparable college course because transfer credit will not be granted for both. Additional information and important exam-specific policies are provided in the IB Exam Notes following the chart.
Questions may be directed to the Articulation Officer in the Counseling Center, AD/SS 103.

IB Examination	Minimum Score	Units	SBVC Equivalent	SBVC Graduation	Cal-GETC
Biology (HL)	5	3	BIOL 205	Area 4B (lab)	Area 5B (no lab)
Business Management (HL)	5	3	No equivalent	No	No
Chemistry (HL)	5	3	CHEM 101	Area 4B (lab)	Area 5A (no lab)
Computer Science (HL)	5	3	No equivalent	No	No
Dance (HL)	5	3	No equivalent	No	No
Design Technology (HL)	5	3	No equivalent	No	No
Digital Society (HL)	5	3	No equivalent	No	No
Economics (HL)	5	3	ECON C2002 or C2002H	Area 3B	Area 4
Environmental Systems and Society (HL)	5	3	No equivalent	No	No
Film (HL)	5	3	No equivalent	No	No
Geography (HL)	5	3	No equivalent	Area 3B	Area 4

Global Politics (HL)	5	3	No equivalent	3B	TBD
History (any region) (HL)	5	3	No equivalent	Area 3A or 3B	Area 3B or 4
Mathematics (HL): Analysis and Approaches	4	3	TBD	Area 2	Area 2
Mathematics (HL): Applications and Interpretation	4	3	TBD	Area 2	Area 2
Music (HL)	5	3	No equivalent	No	No
Philosophy (HL)	5	3	No equivalent	3A	TBD
Physics (HL)	5	3	PHYSIC 101	Area 4A (lab)	Area 5A
Psychology (HL)	5	3	No equivalent	Area 3B	Area 4
Social and Cultural Anthropology (HL)	5	3	No equivalent	3B	TBD
Sports, Exercise and Health Science (HL)	5	3	No equivalent	No	No
Theatre (HL)	4	3	No equivalent	Area 3A	Area 3A
Visual Arts (HL)	5	3	No equivalent	No	No
World Religions (HL)	5	3	No equivalent	3A	TBD

IB Examination	Minimum Score	Units	SBVC Equivalent	SBVC Graduation	Cal-GETC
Language A: Literature HL	4	3	No equivalent	Area 3A	Area 3B
Language A: Language and Literature HL	4	3	No equivalent	Area 3A	Area 3B
Language B (any language) HL	4	0	No equivalent	No credit	No credit
Language B (any language) HL	5	3	No equivalent	No credit	No credit

IB Exam Notes

- The IB chart is based on the most current information available at the time of catalog publication.
- Refer to the California Community Colleges Chancellor's Office (CCCCO) AP, IB, and CLEP Examination Chart (https://catalog.valleycollege.edu/academic-standards-policies/alternative-sources-credit/credit-international-baccalaureate/ESLEI-24-35-Annual_Updated_Examination_Charts_for_IB_CLEP_and_AP-a11y.pdf) for passing scores and credit details per Title 5 §55052.5.
- Additional exam-specific notes referenced in this chart, including language course distinctions and limitations on duplicate credit for mathematics and computer science examinations, are provided below.
  - The IB curriculum offers languages at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-native speakers. Language A1 and A2 courses are advanced courses in literature for native and non-native speakers, respectively.
  - If a student passes more than one AP examination in calculus or computer science and/or more than one IB examination in mathematics or computer science, credit for only one examination may be applied toward the baccalaureate.
- IB transfer credit (including possible differences in units to be awarded beyond those used for Cal-GETC certification) awarded for these and other IB exams at admission are determined by the CSU and UC.
- For the complete list of CSU IB policies and credit information, visit: Viewing CSU Systemwide Credit for External Examinations (https://calstate.policystat.com/policy/17947386/latest/)
- For the complete UC Policy for IB credit, visit: IB credits | UC Admissions (https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ib-credits.html)

Final Exams and Grades

Final Examinations

Final examinations are given at the close of each semester. Students are required to take scheduled final examinations in order to receive credit. Any student who is purposely absent from an examination at any time during a semester forfeits the right to make up work by re-examination.

Final Grades and Transcripts

Final grades are accessible via the Internet as soon as they are submitted by the instructor. To access visit San Bernardino Valley College's Self-Service (https://colss-prod.ec.sbccd.edu/Student/Account/Login/) website.

Note: Transcripts will not be released if a student has holds, an outstanding financial obligation, or other academic or probationary issues. Requests for transcripts online by logging onto: www.valleycollege.edu/transcripts (http://www.valleycollege.edu/transcripts/). Requests will be filled within the legally prescribed timeframe, assuming there are no outstanding obligations to the college, or other holds on the students' record. The first two transcripts are provided at no charge. After two, there is a charge for each additional request.

Incomplete Grades

An incomplete or "I" symbol will be awarded to the student who, in the judgment of the instructor, is unable to complete a course due to a verified emergency. An *Incomplete* form will be completed by the instructor for each student and submitted to the Admissions and Records Office. This form will cover the conditions for the removal of the "I" and the grade that will be recorded if the work is not completed within one year from the end of the semester in which the "I" was assigned. The student cannot register for the same course until the "I" has been removed.

Grades and Grade Points

The system of grades and grade points at San Bernardino Valley College is as follows:

Grade	Description	Grade Numeric Value
A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Passing, Less Than Satisfactory	1
F	Failing	0
P[1]	Pass	0
NP[2]	No Pass	0
I[3]	Incomplete	--
W[3]	Withdrawal	--
EW	Excused Withdrawal	--
FW	Failure to Withdraw	--
MW	Military Withdrawal	--
IP[3]	In Progress	--
RD	Report Delay	--

[1] Pass (P) grade units are not counted in GPA however, credit is earned.
[2] No Pass (NP) units are not counted in GPA; NP units are used in calculating units attempted for progress, probation and dismissal.
[3] Non-evaluative symbols; no units or credit earned.

Only instructors may assign grades, and the grades given are final except in cases of mistake, fraud, bad faith, or incompetence. No grade will be changed for any reason or any circumstances after three years from the end of the term in which the grade was assigned.

Excused Withdrawal (EW)

An "Excused Withdrawal" occurs when a student is permitted to withdraw from a course(s) due to accidents, illness, or extenuating circumstance beyond the control of the student affecting their ability to complete a course(s) (C.C.R. § 55024). Acceptable reasons for excused withdrawal may include:

a. Job transfer outside the geographical region;
b. Illness in the family where the student is the primary caregiver;
c. An incarcerated student in a California State Prison or County Jail is released from custody or involuntarily transferred before the end of the term; In the case of an incarcerated student, an excused withdrawal cannot be applied if the failure to complete the course(s) was the result of a student's behavioral violation or if the student requested and was granted a mid-semester transfer;
d. The student is the subject of an immigration action;
e. Death of an immediate family member;
f. Chronic or acute illness;
g. Verifiable accidents;
h. Natural disasters directly affecting the student; or
i. Other extenuating circumstances as described in C.C.R. § 55024(b)(2). The extenuating circumstances must show reason(s) that the student's completion of a course is impractical. The California Community College Chancellor's Office defines impractical as "impossible due to reasons beyond the student's control."

An "EW" symbol may be requested by the student any time after the course's drop date and no later than the date when district policy allows a grade change. To request an excused withdrawal, the student must submit an academic exception petition to the Admissions & Records Office. The request will be reviewed by the Scholastic Policies and Standards Committee. Upon approval, an excused withdrawal symbol may be assigned. The grade assigned for excused withdrawal shall be "EW." Excused withdrawals shall not be counted in progress probation and dismissal, in the permitted number of withdrawals, or counted as an enrollment attempt. Excused withdrawals are not eligible for a refund of enrollment fees. The financial aid of a student may be affected depending on individual circumstances. A student should consult with the Financial Aid Office regarding any impact.

Failure to Withdraw (FW)

Failure to withdraw "FW" grade symbol indicates that a student has both ceased participating in a course sometime after the last day to officially withdraw from the course without having achieved a final passing grade, and that the student has not received district authorization to withdraw from the course under extenuating circumstances. The "FW" symbol may not be used if a student has qualified for and been granted military withdrawal. If "FW" is used, its grade point value shall be zero (0). FW grades are assigned by faculty. Students cannot request an FW grade.

How to Calculate your GPA

A GPA or Grade Point Average is the average of student grades. One can calculate their GPA for one semester or for their cumulative, overall GPA. The GPA is unweighted.

Example:

Course	Units Attempted	X	Grade (Numerical Value)	=	Grade Points
ENGL C1000	4	X	B (3)	=	12
MATH 102	4	X	A (4)	=	16
SOC C1000	3	X	B (3)	=	9
POLS C1000	3	X	C (2)	=	6
HIST C1001	3	X	D (1)	=	3
KINF 105A	(1)	X	W (0)	=	0
KINF 108A	1	X	F (0)	=	0
Totals:	**18**				**46**

a. Grades are assigned a numerical value:
   A = 4.0
   B = 3.0
   C = 2.0
   D = 1.0
   F = 0.0
   Note: *Units attempted that result in P/NP, CR/NC, W, IP, RD or I grade are not used to calculate the GPA.*
b. Multiply the units attempted by the numerical value of the grade to get the grade points:**Example:** 4 (units attempted) X B(3) (grade) = 12 (grade points)
c. Total the units attempted and the grade points.
d. The GPA is determined by dividing the total grade points by the number of attempted units:
   Example: 46 (grade points) ÷ 18 (units attempted) = 2.56 (grade point average)

Grade Scale

4.0 = A average
3.0 = B average
2.0 = C average
1.0 = D average
0.0 = F average

Converting Quarter Unit to Semester Units

Quarter units are converted to semester units by multiplying the quarter units by 0.667:

Example: 4 (quarter units) X 0.667 = 2.67 (semester units)

Converting Semester Units to Quarter Units

Semester units are converted to quarter units by multiplying the semester units by 1.5:

Example: 4 (semester units) X 1.5 = 6 (quarter units)

Pass/No Pass

Students who wish to be graded in any class on a Pass/No Pass basis must complete the appropriate form, which is available in the Admissions and Records Office (AD/SS 100) or on the college website. The paperwork must be submitted no later than the end of the first 30 percent of the course. Credit will be granted only when the work is of a quality equivalent to a grade of “C” or better. A maximum of fifteen (15) units of credit (P) courses may apply toward graduation requirements. Pass/No Pass grading is not permitted in a course within a student’s major area of study. This rule may be waived for students who complete courses for credit and who later declare a major in that field of study. Once Pass/No Pass has been selected as a grading option, a letter grade (A-F) cannot be issued.

Academic Standing

Academic Pause

Students on academic and/or progress notice shall be placed on academic or progress pause for one semester when one or more of the following conditions exist:

- The student has earned a cumulative grade point average of less than 2.00 in all units attempted in each of the three consecutive semesters. (For purposes of this section, semesters shall be considered consecutive based on the student’s enrollment.)
- The student has received course completion symbols of F, NP, I and/or W in fifty (50) percent or more of the units for which he/she was enrolled in each of three consecutive semesters.
- The student has received a combination of the two patterns listed above in each of three consecutive semesters.

As with academic or progress notice, a student will be informed of academic or progress pause by email and/or letter. In addition, students may appeal their notice status by making an appointment with a program counselor and completing the required paperwork.

Academic Standing

Students will be placed on academic notice when their cumulative grade point average in 12 or more units fall below 2.00 in all units attempted which were assigned based on the college grading scale. Students will be informed that they are on academic notice by email and/or letter. The letter will list common causes of unsatisfactory progress and will recommend services for improving academic achievement. A student on academic notice will not be allowed to register for additional courses until meeting with a counselor. A student will be released from academic notice when their cumulative grade point average reaches 2.00 or higher. In addition, students may appeal their notice status by making an appointment with a program counselor and completing the required paperwork.

Progress Standing

Students will be placed on progress notice when they have attempted at least 12 units and have received course completion symbols of F, W, I and/or NP in 50 percent or more of these units. Students will be informed they are on progress notice by email and/or letter. The letter will list common causes of unsatisfactory progress and will recommend services for improving academic achievement. If the student on progress notice also has a grade point average of less than 2.00, they will not be allowed to register for additional courses until meeting with a counselor. Students will

be released from progress notice status whenever more than fifty percent of all the units taken at the college have been completed with an assigned letter or P grade. In addition, students may appeal their notice status by making an appointment with a program counselor and completing the required paperwork.

Reinstatement After Academic or Progress Pause

Students may be reinstated one semester after the date of academic or progress pause. Students enrolled following academic or progress pause shall be on academic or progress notice status for one semester. If, after this semester, the scholastic achievement of the readmitted student continues at a notice level, the student may be placed on academic or progress pause for one year. Students must see a counselor and complete readmissions documents. Counseling can be reached in AD/SS 103 or at (909) 384-4404.

Academic Renewal

Students may petition to have their academic record reviewed for academic renewal of substandard academic performance, which is not reflective of their demonstrated ability under the following conditions:

- Students may petition to have eliminated from the computation of the total grade point average any units and credits taken during not more than two consecutive terms of attendance, excluding Summer Session, at any college within the San Bernardino Community College District.
- Students must have achieved a minimum grade point average of 2.0 in all coursework completed subsequent to the semester(s) requested in the petition.
- Students must complete a minimum of twenty-four semester units subsequent to the semester(s) requested in the petition, at any accredited college.
- At least two-semesters must have elapsed from the time the course work to be removed was completed.
- A student may not petition for academic renewal under this procedure more than one time per college.
- Up to thirty units of course work may be eliminated from consideration in the cumulative grade point average per college.

Academic renewal actions are irreversible. Institutional action taken under this procedure will not remove the courses, units, grades, or any other information from the student's permanent record. When academic renewal procedures permit previously recorded substandard course work to be disregarded in the computation of grade point averages, the permanent academic record shall be annotated in such a manner that all work remains legible, insuring a true and complete academic history.

Academic renewal procedures will not prevent the student from retaking the course in a subsequent semester, if necessary, in accordance with course repeat policies or alter records of previous attempts of the same course.

Academic renewal procedures may not conflict with the District's obligation to retain and destroy records or with the instructor's ability to determine a student's final grade.

Students must file the Petition for Academic Renewal in the Admissions & Records Office at the respective college where the units were completed after meeting with a counselor. The determination of eligibility will be decided by the Director of Admissions & Records, or their designee.

In accordance with Title IV, all units approved or denied for Academic Renewal shall be included in the Satisfactory Academic Progress (SAP) calculation and shall be considered when determining financial aid eligibility.

Non-Discrimination Policy

Non-Discrimination (AP 3410) (https://sbccd.edu/about-sbccd/board-of-trustees/policies-and-procedures/view.php?lt=OZbrT3r7iwPAjaMvXqYhJW&next=%2Fv2%2Fpolicy%2F9454646%2Flatest%2F)

San Bernardino Valley College complies with all Federal and state rules and regulations and does not discriminate on the basis of national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, military and veteran status, or because he/she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics in any program or activity.

This holds true for all students who are interested in participating in educational programs, including career and technical education programs, and/or extracurricular school activities.

Compliance Inquires

Inquiries regarding compliance and/or grievance procedures may be directed to the following individuals:

Title IX Officer:
Carmen Rodriguez
Dean of Enrollment Services
Phone: 909-384-8592
Email: marodrig@valleycollege.edu
Village: Portable 6-24

Section 504 & Title II Coordinator:
Keith Bacon
Vice President of Administrative Services
Phone: 909-384-8958
kbacon@valleycollege.edu
AD/SS Building, Room 206

Open Enrollment Policy

The policy of San Bernardino Community College District is that, unless specifically exempted by statue or regulation, every course, or class offered by the college is open to enrollment and participation by a person who has been admitted to the college and who meets the prerequisites approved for a given course.

Sexual Harassment Policy

Sexual harassment of students or employees in the academic and work environments violates both federal and state law and district policy, and it will not be tolerated. It also violates law and policy to retaliate against any individuals for filing a complaint of sexual harassment, or for participation in the investigation or resolution of a formal or informal, written or oral complaint of sexual harassment. Unlawful harassment based on sex includes, but is not limited to, classroom conditions, grades, academic standing, scholarships, recommendations, employment

opportunities, disciplinary action, or any other aspect of college life within the control of the District. Complaints of sexual harassment may be registered by calling the Vice President of Student Services at (909) 384-4473.

Academic Freedom

The San Bernardino Community College District is committed to the principle that the free expression of ideas is essential to the education of its students and to the effective governance of its colleges. The District further subscribes to the principle that the free expression of ideas should be limited only by the responsibility to express ideas with fairness, and in a manner that respects the differing ideas of others and distinguishes between established fact and theories and one's own opinion.

No special limitations shall be placed upon study, investigation, presentation, and interpretation of facts and ideas concerning human society, the physical and biological world, and other branches of learning, subject to accepted standards of professional responsibility. Students shall have the opportunity to study controversial issues and divergent views, and to arrive at their own conclusions. Academic employees have an obligation to protect the student's right to freedom of inquiry even when the student's conclusions differ from those of the academic employees. While students may represent without penalty any opinion in or out of class, they may be required to demonstrate knowledge of views contrary to their own in order to fulfill course requirements. (SBCCD Board Policy 4030)

Course Information

Course Descriptions

Each course entry in this catalog includes the course number, title, prerequisite, a brief description, the number of semester units, and the number of hours the course meets based on a 16- week semester. The course entries also include information about how the course credit applies to associate degrees and transfer to The California State University and University of California systems.

- Courses numbered from 600 through 699 are noncredit and do not receive any type of college credit.
- Courses numbered from 001 through 099 are generally applicable to certificate and associate degree programs.
- Courses numbered from 100 through 299 are generally applicable for associate degrees and baccalaureate degrees conferred by universities.
  - Courses that are designated CSU transfer to CSU campuses system wide.
  - Courses designated UC are approved by the UC Office of the President as comparable to courses offered at UC. Courses with *UC notation indicate that some credit limitation applies. UC limits credit on courses that are similar in nature or taken after a higher-level course(s). To access information on SBVC courses that transfer to UC, go to www.assist.org.
  - Although courses may be indicated in the catalog as transferable to UC and/or CSU, they may or may not meet general education or major preparation. Students who plan to transfer to UC or CSU should consult with a counselor for further information.
- Courses numbered from 300 through 499 are applicable for the baccalaureate degree program.
- Courses numbered from 900-999 are not applicable to associate degrees and do not transfer to four-year institutions.
- Certain course entries include a symbol X and a number following the symbol, such as MUS 141X2. This symbol (X) indicates that this is a skill-based course and may be taken for credit more than once; the number following the symbol (X) indicates the number of times the course may be taken for credit.

Common Course Numbering (CCN)

In response to AB 1111, California Community Colleges are implementing a statewide Common Course Numbering (CCN) system for general education and transfer pathway courses. The CCN system aligns course subjects, numbers, and titles for equivalent courses across all California community colleges to support smoother transfer, reduce confusion, and minimize excess credit accumulation for students.

San Bernardino Valley College began implementing the CCN system in Fall 2025 with Phase I courses and will continue implementation in Fall 2026 with Phase IIA and Phase IIB courses. The chart below outlines the courses impacted under the CCN system, including the new course subjects and numbers. If you have any questions, reach out to the Counseling Department - (909) 384-4404.

Code	Title	Units
ANTH C1001	Introduction to Biological Anthropology (formerly ANTHRO 106)	3
ANTH C1001H	Introduction to Biological Anthropology - Honors (formerly ANTHRO 106H)	3
ANTH C1001L	Biological Anthropology Lab (formerly ANTHRO 106L)	1
ARTH C1100	Survey of Art from Prehistory to the Medieval Era (formerly ART 100)	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary (formerly ART 102)	3
ARTH C1200H	Survey of Art from the Renaissance to Contemporary - Honors (formerly ART 102H)	3
ASTR C1001	Introduction to Astronomy (formerly ASTRON 120)	3
ASTR C1001L	Introduction to Astronomy Lab (formerly ASTRON 125)	1
BIOL C1000	Introduction to Biology with Lab (formerly BIOL 100)	4
CDEV C1000	Child Growth and Development (formerly CD 105)	3
CDEV C1000H	Child Growth and Development - Honors (formerly CD 105H)	3
COMM C1000	Introduction to Public Speaking (formerly COMMST 100)	3
COMM C1000H	Introduction to Public Speaking - Honors (formerly COMMST 100H)	3
ENGL C1000	Academic Reading and Writing (formerly ENGL 101)	4
COMM C1004	Interpersonal Communication (formerly COMM 111)	3
COMM C1004H	Interpersonal Communication - Honors (formerly COMM 111H)	3
ENGL C1000H	Academic Reading and Writing - Honors (formerly ENGL 101H)	4
ECON C2001	Principles of Microeconomics (formerly ECON 201)	3
ECON C2001H	Principles of Microeconomics - Honors (formerly ECON 201H)	3

ECON C2002	Principles of Macroeconomics (formerly ECON 200)	3
ECON C2002H	Principles of Macroeconomics - Honors (formerly ECON 200H)	3
ENGL C1001	Critical Thinking and Writing (formerly ENGL 102)	4
ENGL C1001H	Critical Thinking and Writing - Honors (formerly ENGL 102H)	4
POLS C1000	American Government and Politics (formerly POLIT 100)	3
ENGL C1002	Introduction to Literature (formerly ENGL 151)	3
ENGL C1002H	Introduction to Literature - Honors (formerly ENGL 151H)	3
HIST C1001	United States History to 1877 (formerly HIST 100)	3
HIST C1001H	United States History to 1877 - Honors (formerly HIST 100H)	3
HIST C1002	United States History Since 1865 (formerly HIST 101)	3
HIST C1002H	United States History Since 1865 - Honors (formerly HIST 101H)	3
MATH C2210	Calculus I: Early Transcendentals (formerly MATH 250)	4
MATH C2220	Calculus II: Early Transcendentals (formerly MATH 251)	4
POLS C1000H	American Government and Politics - Honors (formerly POLIT 100H)	3
PSYC C1000	Introduction to Psychology (formerly PSYCH 100)	3
PSYC C1000H	Introduction to Psychology - Honors (formerly PSYCH 100H)	3
STAT C1000	Introduction to Statistics (formerly MATH 108)	4
STAT C1000H	Introduction to Statistics - Honors (formerly MATH 108H)	4
SOCI C1000	Introduction to Sociology (formerly SOC 100)	3
SOCI C1000H	Introduction to Sociology - Honors (formerly SOC 100)	3

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM-110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM-110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org (http://www.assist.org/) to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Course requirements may change, and courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Prerequisites, Corequisites, and Departmental Recommendations

When registering for classes, students are required to adhere to enrollment policies that relate to prerequisites, corequisites, and departmental recommendations.

a. A ***prerequisite*** is a course or skill that must be met before a course is taken. Students registered in a class without having completed the prerequisite(s) may be dropped from the class. Prerequisite courses must be completed with a grade of C or higher. Prerequisite courses completed with a grade of D or F indicate unsatisfactory performance in the course and do not satisfy the prerequisite;
b. A ***corequisite*** is a course that must be taken during the same semester as another course in which the student would like to enroll;
c. A ***departmental recommendation*** is a suggested course that would be helpful for a student to have completed prior to enrolling. A departmental recommendation is a suggestion, not a requirement.

Students may challenge a prerequisite or corequisite on one or more of the following grounds:

a. The student can demonstrate they have the knowledge or ability to succeed in the course or program despite not having satisfied the prerequisite or corequisite;
b. The student will be subject to undue delay in attaining their educational goal as outlined in their Student Education Plan (SEP) because the prerequisite or corequisite course has not been made reasonably available;
c. The prerequisite or corequisite is discriminatory or is being applied in a discriminatory manner;
d. The prerequisite or corequisite has not been established in accordance with the District's process for establishing prerequisites and corequisites or was established in violation of Title 5.

It is the student's responsibility to provide information to support the challenge. Challenges must be filed in the Academic Division Office (https://www.valleycollege.edu/academics/divisional-offices/) of the course with the prerequisite being challenged within the first week of class. Once received, the college will process the challenge within five (5) working days. For information on challenging a prerequisite, contact the appropriate Academic Division Office.

Course Repetition in a Non-Repeatable Course

Course repetition allows students to repeat classes under the following circumstances: (Title 5, Section 58161)

a. The student is repeating the course to alleviate substandard work, which has been recorded on the student's record (D, F, or NP). Courses in which a substandard evaluative symbol has been assigned may be repeated two times for a total of three enrollments. Students may attempt a course more than three times only upon approval through the college's petition process (Title 5, section 55024).
b. The course outline of record has been officially changed and demonstrates significant curricular changes. A *Petition for Academic Exception* is required.
c. Repetition of courses where substandard work has not been recorded is permitted when such repetition is necessary for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment.
d. Significant lapse of time exception if the following conditions are met:

- At least 36 months, or more if required be district policy, has elapsed since the student previously was assigned or awarded a grade in the course;
- The student's prior grade was a satisfactory grade (55000(w)); and either
  1. The course is required by the district as a properly established recency prerequisite (55003); or
  2. Another institution of higher education to which the student is seeking to transfer requires the student to have taken the course more recently than the student's last enrollment.

Non-Degree Applicable Courses

Courses numbered in the 900s do not apply toward a degree, and are designed to provide the fundamental skills necessary for successful completion of other college courses. These include pre-collegiate courses in reading, writing, computation, learning skills, study skills, and English as a second-language. Non-degree applicable courses, including basic skills courses, are indicated in this catalog by numbers from 900 to 999.

In accordance with Title 5, Section 55758.5 (b), grades earned in non-degree applicable courses are not included when calculating a student's degree applicable grade point average. Students will not receive credit for more than thirty (30) units of basic skills course work taken in the San Bernardino Community College District. Basic skills coursework earned in another community college district will not be counted toward the 30-unit limit. Students enrolled in English as a second-language courses and students identified by the District for learning disabled programs are exempt from this 30-unit limit. Other students may apply for a waiver of the 30-unit limit. Please contact the Counseling Department for more information - (909)384-4404.

ADMISSIONS AND REGISTRATION

Admissions and Records

Location: AD/SS 100
Phone Number: (909) 384-4401
Website (https://www.valleycollege.edu/admissions-financial-aid/admissions-records/)

Admission to San Bernardino Valley College is governed by the laws of the State of California and by supplementary regulations established by the San Bernardino Community College District Board of Trustees. Every course, whether offered on the main campus, online, or at a satellite location, is open to any person who is eligible for admission to San Bernardino Valley College and who meets any prerequisites as have been established in accordance with Title 5 of the California Administrative Code.

Admission Requirements

The following groups are eligible for admission to San Bernardino Valley College:

- Any individual, age 18 or above, who can reasonably profit from instruction.
- Any individual who has graduated from high school or who has been awarded a California Certificate of Proficiency, who has successfully completed the GED, or has been awarded a certificate of completion from a high school.

Admission Regulations and Residency

AB 540/SB 68/SB 1141

San Bernardino Valley College, in compliance with California law, welcomes non-resident students, and will charge them the same fees as California residents, for tuition purposes, if they meet all of the following criteria:

- Have attended a combination of California High Schools, Adult Schools, and Community College for the equivalent of three (3) years or more.
- Have a high school diploma (or equivalent)
- In the case of non-immigrant aliens, you have applied for legal status – or will sign an affidavit stating your intent to do so.

Please visit the Admissions and Records Office for further information.

Deferred Action for Childhood Arrivals (DACA) Renewal Only

You are eligible for DACA if you:

- Were under the age of 31 as of June 15, 2012;
- Came to the United States before reaching your 16th birthday;
- Have continuously resided in the United States since June 15, 2007, up to the present time;
- Were physically present in the United States on June 15, 2012, and at the time of making your request for consideration of deferred action with USCIS;
- Entered without inspection before June 15, 2012, or your lawful immigration status expired as of June 15, 2012;
- Are currently in school, have graduated or obtained a certificate of completion from high school, have obtained a general education development (GED) certificate, or are an honorably discharged veteran of the Coast Guard or Armed Forces of the United States and Have not been convicted of a felony, significant misdemeanor, three or more other misdemeanors, and do not otherwise pose a threat to national security or public safety.

Individuals can call USCIS at 1 (800) 375-5283 with questions or to request more information on the deferred action for childhood arrivals process.

Discharged Members of the Armed Forces

A student who was a member of the Armed Forces of the United States stationed in California on active duty for more than one year immediately prior to being discharged shall be exempt from paying nonresident tuition for up to one year if he or she files an affidavit with the community college stating they intend to establish residency in California as soon as possible. This one-year exemption shall be used while the student lives in this state and within two years of being discharged (effective January 1, 2013, AB 2478 amended Education Code Section 68075.5 to give the student two years to start the one-year exemption period as the student may need to temporarily to return to their home state after discharge and may not be able to immediately start their education in California). A former member of the armed forces of the United States who received a dishonorable or bad conduct discharge shall not be eligible for this exemption.

High School Students

Students who are currently enrolled in K-8th grade, and are seeking advanced scholastic or vocational work, may apply for admission to San Bernardino Valley College as a special admit.

Each student's application and records are reviewed individually, and not all students who apply will be admitted. The over-arching concern of the admission review process is that the student is adequately prepared to engage in the rigors of college-level work, and has a high probability of success.

To be eligible for special admission, students must demonstrate that they are prepared for the rigor of college courses through the following methods:

- A recommendation from the student's current school principal or designee.
- Demonstrated academic success.

Students wishing to attend SBVC must complete and submit the following items, at least two weeks prior to the beginning of instruction:

- Petition for Academic Exception with supporting documentation
- CCCApply application for admission to SBVC (if approved for admission)
- Dual Enrollment Request (if approved for admission)

The Petition for Academic Exception form must be submitted with supporting documentation including a recommendation letter from their current school principal and report cards or test scores that demonstrate their academic success. This form is available on the Admissions and Records website. The courses requested at SBVC must not duplicate courses currently available at their current school or high school.

All specially admitted students must participate in the college assessment and orientation prior to enrollment. Special admits are limited to 11 units per term, though the total number of units will vary per student and per term according to Admissions and Records.

International Students

San Bernardino Valley College (SBVC) is approved by the U.S. Citizenship and Immigration Services (USCIS) to admit non-immigrant international students who are taking lower division coursework for transfer to four-year institutions or who are taking coursework leading to a vocational training certificate or an associate degree. San Bernardino Valley College requires international students to submit a complete application via email to the International Student Counselor/Designated School Official (DSO), Rema Ghazaleh (rghazaleh@valleycollege.edu) or mail to the Counseling Center (AD/SS 103) with ATTN To: International Student Counselor. A complete international application includes the following items:

COMPLETE application package should include the following documents (all documents need to be **original/official**):

- High school diploma, or proof of high school graduation, accompanied by a notarized translation if the originals are not in English.
- International Student Application for Admissions (https://www.valleycollege.edu/student-services/specialized-counseling-services/international-students/documents/sbvc-application-for-admission.pdf) - complete the form, print it out, sign and date.
  - Students who are already in the US on an F1 visa must also submit the Transfer In form.
- Complete California Department of Health Tuberculosis Risk Assessment (https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/TBCB-CA-TB-Risk-Assessment-and-Fact-Sheet.pdf) (found on the website). Submit TB Risk Assessment and TB test result (dated within the past 6 months) or get tested at San Bernardino Valley College's Student Health Services for $15.
- Health insurance must also be purchased prior to registering for courses.
- Nonrefundable application fee of $25.00 (cashier's check or money order,) payable to San Bernardino Valley College. A personal check from a U.S. bank is also acceptable.
- English proficiency exam score is required for admission. SBVC accepts the TOEFL, IELTS, PTE Academic, Duolingo English test, iTEP, and GTEC CBT. See the website for required scores. If you think you may be eligible for an English proficiency exam waiver, please complete the Request to Waive English Proficiency Exam Form found on the website and submit it with your full application packet along with supporting documentation. Please read the English Proficiency Requirements for Admission to view approved English proficiency exams and other ways to meet the English proficiency requirement for admission. For further information, please contact the International Student Counselor/DSO (rghazaleh@valleycollege.edu).
- Official transcript(s) or official academic records from higher education attended in the USA. Substandard academic standing in higher education may affect admission.
- Financial documents: Proof of available funds to cover your educational cost and living expenses for the duration of your studies in San Bernardino Valley College. The estimated annual cost is $31,602 U.S. dollars or higher. An additional $8,000 sponsorship is required per dependent.
- Affidavit of Support Form (https://www.valleycollege.edu/student-services/specialized-counseling-services/international-students/documents/2024-affidavit-of-support.pdf) (for sponsors outside of the US to complete). The form can be found on the website.
- I-134/Affidavit of Support (https://www.uscis.gov/sites/default/files/document/forms/i-134.pdf)(for sponsors in the US to complete).
- Photocopy of the applicant's passport, providing information on applicant's name, date of birth and the expiration date of the passport.
- Photocopy of the applicant's current I-94, I-20 and visa (if the applicant is currently studying in the U.S.)

In addition to submitting your complete application package to the college, please also complete San Bernardino Valley College's general application (https://www.opencccapply.net/gateway/apply/?cccMisCode=982). Please email the application confirmation to the DSO/International Student (rghazaleh@valleycollege.edu) Counselor.

If you are adding a dependent/s to your application, please include the following in your application packet for each dependent: Marriage certificate for spouse, birth certificates for any dependent/s who is your unmarried child and under the age of 21, passport, proof of an additional $8,000 sponsorship per dependent.

If an applicant is admitted to the college, a letter of acceptance and an I-20 Form- Certificate of Eligibility for Non Immigrant Student (used to apply for a student visa in an US embassy if not already on an F1 visa) will be emailed to the applicant.

Applicants who are currently in the USA with a different visa must submit the I-539- Application to Extend/Change Non immigrant Status to request change of status to F1 Visa after receiving your I-20 from SBVC. Your I-20 and acceptance letter from SBVC will be part of what is required to submit the I-539 application. Please send the I-539 submission receipt number to your DSO within 7 days of receiving your I-20. *Please email your complete application package to rghazaleh@valleycollege.edu or if mailing, please write on the envelope: ATTN To: International Student Counselor*

The international application deadlines are May 1 for the Fall semester, October 1 for the Spring semester, and March 1 for the Summer sessions. International applicants living outside of the U.S. at the time of their applying to the college are strongly recommended to apply at least six months before the term starts. After submitting international application packages, applicants need to complete the General College Application online and reach out to the international student counselor. Information about the international application can be found at the college's website (https://www.valleycollege.edu/student-services/specialized-counseling-services/international-students/admission_requirements.php).

If an applicant is admitted to the college, students will receive a letter of acceptance, along with an I-20 Form (Certificate of Eligibility) issued by the college. Per USCIS regulations, international students must maintain full-time student status and enroll in at least 12 units per semester. International students are also required to purchase health insurance to cover the time they are residing in the U.S.

For more information, please visit the International Student website: https://valleycollege.edu/sbvc-international-admission (https://valleycollege.edu/sbvc-international-admission/)

Please allow up to 30 business days to review applications. Additional documents may be requested at the time of review.

Per USCIS regulations, international students must maintain full-time student status and enroll in at least 12 units per semester. International students are also required to purchase health insurance to cover the time they are residing in the U.S.

Maintaining F1 Visa Status while Enrolled at SBVC:

To maintain your F1 status, international students must attend full-time (12 + units) every main semester with only one online class permitted toward full-time enrollment and make satisfactory academic progress (C or better). Summer semester enrollment is not required unless it is the first term a student attends on F1 Status. SBVC offers annual vacation to international students during the summer terms only. a travel endorsement on your I-20 is required prior to leaving the USA or you will not be able to return and may lose status. Working off campus is not permitted unless authorized by USCIS, or through OPT or CPT by your DSO. This is a partial statement on maintaining status and status may be lost in other ways. International students will sign a contract prior to attending their first term.

Non-Resident Veterans AB13

In August 2014, the Veterans Access, Choice, and Accountability Act of 2014 (VACA Act) was signed into law. Please see the Admissions and Records Office or Veterans Resource Center for more details. (VACA is only applicable for students who are using CH. 30, 33, & 33TR GI Bill® benefits). A student who is a full-time employee of a public institution of higher learning, or whose parent or spouse is a full-time employee, will be entitled to resident classification until they have resided in the state the minimum time necessary to become a resident. Any student may make a written appeal to the Director of Admissions and Records within 30 calendar days of notification of a final decision by the college regarding classification.

Out-of-State Students

Out-of-state applicants who are currently residing in California are admitted to the college on the same basis as California residents except that they are required to pay non-resident fees and a Capital Outlay Fee in addition to other fees required by the college. After a student has been present in California for one year and has manifested clear intent to become a California resident, they may apply for reclassification as a California resident.

SARA – the State Authorization Reciprocity Agreement – is an agreement between member states, territories and districts of the United States of America. As of July 2019, 49 states (all but California), the District of Columbia, Puerto Rico and the U.S. Virgin Islands have joined SARA.

Because California is not participating in SARA, students who are not physically located in California are not permitted to take distance education classes (fully online or online with required on-site meetings) at San Bernardino Valley College.

Federal regulation requires institutions offering distance education to acquire authorization from any U.S. state in which it "operates." SBVC does not have the required permission for students from other states to take classes at SBVC. This permission is required to maintain eligibility for students of that state to receive Federal Financial Aid.

Until further notice, SBVC is not filing for authorization to operate in other states. We recommend that students outside of California seeking community college courses look for courses offered by an institution in their own state.

Residence Requirements

Residence determination must be made each semester for nonresident tuition purposes. The college application and, if necessary, other evidence furnished by the student are used in making residency determination. All documentation must be submitted within 2 weeks of start of term or submission of admissions applications. Residency will not be changed once the semester has ended. Any adult who is physically present in the state while, at the same time, intending to make California their permanent home, may establish legal residence. The resident determination date is the day immediately preceding the opening day of instruction for each semester or term.

Steps must be taken at least one year prior to the residence determination date to establish the intent to make California one's permanent home with concurrent relinquishment of the prior legal residence. Some indications of intention to establish and maintain California residence include, but are not limited to:

- Payment of California state income tax as a resident;
- Registering to vote and voting in California;
- Possessing California motor vehicle license plates;
- Possessing a valid California driver's license;
- Maintaining a permanent military address or home of record in California while in the armed services;
- Establishing and maintaining active California bank accounts;
- Being a petitioner for a divorce in California.

In general, an unmarried minor (a person under 18 years of age) derives legal residence from the parent or parents with whom he/she lives. The student who is within the state only for educational purposes does not gain the status of resident regardless of the length of his/her stay in California.

Exceptions to the Residence Requirements are as Follows:

a. Persons below the age of 19 whose parents were residents of California but who left the state while the student who remained was still a minor. When the minor reaches 18, the exception continues for one year to enable the student to qualify as a resident.
b. Persons below the age of 19 who have been present in California for more than a year before the residence determination date and who have been entirely self-supporting for that period of time.
c. Persons below the age of 19 who have lived with and have been under the continuous direct care and control of an adult, not a parent, for the two years immediately preceding the residence determination date. Said adult must have been a California resident for the most recent year.
d. Active Duty Military Students EC 68075; T5 54042; LEGAL OPINION 10-05: Students who are members of the armed forces of the United States domiciled or stationed in California on active duty are entitled to resident classification for purposes of determining the amount of tuition and fees for the duration of their attendance at a community college as long as they remain on active duty as of the residence determination date. If that member of the armed forces of the United States who is in attendance at an institution is thereafter transferred on military orders to a place outside this state where the member continues to serve in the Armed Forces of the United States, he or she shall not lose his or her resident classification so long as he or she remains continuously enrolled at that community college. Please note that exclusions or limitations from residency classification for active military duty students related to students "seeking a graduate degree" or "members of the armed forces who were assigned for educational purposes to state-supported institutions of higher education" are no longer applicable under the current statute and federal law. ***(The Chancellor's Office has concluded that service in the California National Guard does not constitute being a member of the Armed Forces of the United States for Education Code sections 68074 and 68075.***

Transcripts

The San Bernardino Valley College transcript includes coursework completed at only San Bernardino Valley College. Students completing coursework prior to 1981 will also have a legacy transcript. Students may order official transcripts and view un-official transcripts at the Admissions and Records website (https://www.valleycollege.edu/admissions-records/records/transcripts.php).

Prior College Transcripts

The Admissions and Records Office will accept Official Transcripts from other previously attended colleges at the following.

- Electronic transcripts - sbvcadmissions@valleycollege.edu
- Paper transcripts – San Bernardino Valley College – Admissions and Records Office, 701 S. Mt. Vernon Ave, San Bernardino CA 92410

Transcripts submitted become the property of the San Bernardino Valley College and cannot be returned to the student, nor be officiated and forwarded to another institution. Students planning to apply to an Allied Health Program, graduate from San Bernardino Valley College, or who have attended other colleges/universities, must submit all official transcripts prior to posted deadline dates (See Evaluation of Prior Credits Earned and Applying for Graduation in this catalog for further information).

Unofficial copies of transcripts may be used to clear for registration pre-requisite course requirements only.

For additional information on transcripts, visit the Admissions and Records website (https://www.valleycollege.edu/admissions-records/records/transcripts.php).

Registration

The schedule of classes provides detailed instructions on the procedures involved in registering for classes. Students may register online in accordance with the dates identified in the Class Schedule. **Attending courses without being formally enrolled is considered auditing. To audit a course, the student must complete the auditing process.**

Students who have an incomplete application, dismissal or probationary issues, an outstanding financial obligation of $200 or more, or have not completed orientation and assessment will not be allowed to register for classes until the issue is resolved. Examples of obligations falling under this policy include but are not limited to returned checks, unpaid loans, equipment breakage, unpaid library fines, and registration fees.

The college reserves the right to cancel any class that does not meet the minimum size requirements established by the district. In some cases, cancellation may take place before the first class meeting. Students will automatically be mailed a refund of the enrollment fees for any class cancelled by the college.

Late Registration

Applicants who do not enroll during the registration period may enroll via Self-Service after receiving an Add Authorization from the instructor once classes begin. Keep in mind that an instructor may refuse to admit a late registrant when the work missed cannot reasonably be made up, when the class is full, or when normal progress in the course would be impossible or unsafe. Students will not be enrolled into a class if the deadline for admissions has passed. Do not attend class on or after census date.

Waitlist

Waitlisting gives students the opportunity to be first in line to register for sections that are already full. For example, if a person drops from a course, then the individual at the top of the waitlist will have the first opportunity to register and fill that empty seat. Waitlisting is available for most classes. Students will be automatically registered and notified through their SBVC student email if they are at the top of the waitlist and a seat becomes available. More information about waitlists can be found on the Admissions and Records website (https://www.valleycollege.edu/admissions-records/admissions/waitlist.php).

Enrollment Fees and Refunds

Required Fees

Fee	Amount
Enrollment Fee	$46 per unit
Enrollment Fee -Non-California Resident (Non-residents must pay all fees required of residents plus non-resident tuition). Exemption if enrolled in 6 or fewer units.	$414 per unit
All Non-California Resident Applicants- Capital Outlay	$200 per unit
Campus Center Fee	$1 per unit ($10 max annually)
Health & Accident Fee	$26.00 for Fall and Spring, $22.00 for Summer
Transportation Fee (GO Smart)	$8 ($9 for 6 units or more units; $5 for Summer; $6 for 6 or more units)
Student Representation Fee	$2
Audit Fee	$15 per unit

Enrollment fees are subject to change as directed by the California Legislature. All other fees are subject to change as directed either by the California Legislature or by the San Bernardino Community College District College Board of Trustees in accordance with Title 5 of the California Code of Regulations.

Payment of Fees

Payment is due at the time of registration.

- Payment can be made online through Self-Service (https://colss-prod.ec.sbccd.edu/Student/Account/Login/), or,
- Pay with cash, check, or credit card at the Admissions and Records Office inside AD/SS 100, or,
- Drop the payment (check or money order) WRITE STUDENT ID NUMBER ON CHECK/MONEY ORDER in the Admissions and Records drop box located outside the Admissions and Records Office. (AD/SS-100).
- As the student, you are responsible for dropping classes by the stated deadlines. If you register for a class and later change your mind, it is your responsibility to drop the class. You may be responsible for some or all of the fees for dropped courses as per the District Refund Policy (noted below).
- If you are a financial aid recipient, your award will not cover all of your fees. You are responsible to submit payment for any balance due.
- Fees are subject to change as directed by the California Legislature. All other fees are subject to change as directed either by the California Legislature or by the San Bernardino Community College District Board of Trustees in accordance with Title 5 of the California Code of Regulations.

Outstanding Balances

An outstanding balance of $200 or more will result in a HOLD placed on your account.

A hold is placed on all student accounts with past due fees totaling $200 or more. The hold prevents students from registering for courses and receiving certificates and diplomas. Additionally, students may not be able to participate in additional school activities, such as field trips, while a financial hold is on their account. The hold will be released upon receipt of full payment.

Refunds

a. **Designated fees include:**
   - Enrollment
   - Non-Resident Tuition
   - Parking
   - Health
   - Accident Insurance
   - Student Center
   - SBVC Student Representation
   - Transportation

b. **Military service exception:** If a student who is a member of an active or reserve military service receives orders compelling a withdrawal from courses, the District shall, upon petition of the affected student, refund the entire enrollment fee unless academic credit is awarded.

Refund schedule

a. **Full Refund Eligible If:**
   i. You drop your class before the beginning of the term (Full-term class=18weeks)
   ii. You drop your class before the start of a class (Short-term classes = Less than 18weeks)

b. **Partial Refund Eligible If:**
   i. Pertains to the $46 per unit fee
   ii. You drop your class within the first two weeks of the term (full-term classes=18weeks)
   iii. You drop your class within the first 10% of the class (short-term classes = Less than 18weeks)
      - 1 to 2 weeks - 1 day to refund
      - 3 to 4 weeks - 2 days to refund
      - 5 to 6 weeks - 3 days to refund
      - 7 to 8 weeks - 4 days to refund
      - 9 to 10 weeks - 5 days to refund
      - 11 to 12 weeks - 6 days to refund
      - 13 to 14 weeks - 7 days to refund
      - 15 to 16 weeks - 8 days to refund

This refund schedule applies to all fees listed unless:

- Fees are collected in error – Fees collected in error will be refunded in their entirety.
- Class cancelled by the college – If a class is cancelled by the college, enrollment and/or non-resident tuition fees will be refunded in their entirety. If that cancellation results in a student's withdrawal from the college, refunds of the appropriate fees listed above will apply.

Withdrawal from the college

- Enrollment Fee/Non-Resident Tuition – If a student withdraws during the first two weeks of a full-term class or during the first 10% of a short-term class, enrollment fees and non-resident tuition fees will be refunded;
- Parking fee, Health fee, Accident Insurance fee, Student Services Card fee, Student Center fee, Student Representation fee, and Capital Outlay Fee – In order to be eligible for a refund, a student must withdraw prior to the first day of the term and attach decal/ proof to refund request within 30 days of instruction.
- Unit Reduction – If a change of program within the first two weeks of a full-term class or during the first 10% of a short-term class results in a reduction in the number of units taken, the enrollment fee or non-resident fee will be refunded at the per unit cost of the reduction.
- A student who withdraws from a class or the college after the second week of instruction for a full-term class or the first 10% of a short-term class is not eligible for any refund.
- It is the student's responsibility to drop classes and pay all fees incurred.

Refund processing fee: A charge of $10.00 will be collected for each refund transaction not to exceed $10.00 per student per semester, except for cancelled classes or over-payment. Students must drop a class before it begins in order to not incur fees. It takes approximately six to eight weeks to process a refund check. If a student wishes to apply the refund credit toward registration in another class, they must submit the drop and add at the same time.

Auditing Courses

Students who have been admitted to SBVC are eligible to apply to audit courses at the college. Students must meet all course prerequisites. It is the responsibility of the student to provide documentation that the prerequisite(s) has been satisfied. Auditing enrollment is permitted only on a space-available basis. A student may enroll in a course for audit only if they have not enrolled in that course for credit during the same semester.

Students shall complete an Audit Enrollment Form. Any instructor may refuse auditing without explanation. Credit students will always receive registration priority and space in the classroom over student(s) that are auditing the course. Once audit enrollment is completed, no student will be permitted to change their enrollment from audit to receive credit nor is a student permitted to change enrollment from credit to audit. The course audited cannot be used as a prerequisite.

The fee for auditing is $15 per unit. A student enrolled for credit in ten (10) or more semester credit units will not be charged a fee to audit three (3) or fewer units per semester. Students must also pay all mandatory student fees. Audited classes do not count towards units for financial aid, veteran's benefits, full-time student status, or any other purpose. Per AP/BP 5033, no refund will be permitted after enrollment and attendance of students auditing a course shall not be included in computing the apportionment.

Adding a Class

Registered students may add a class during a designated period at the beginning of each semester. Once the Self-Service registration period has passed, an Add Authorization obtained from the instructor, is needed to enroll via Self-Service. If a student's schedule is revised in such a way as to change the total number of units taken, the amount of enrollment fees will also change. All fees are due at the time the change is made.

Veterans

San Bernardino Valley College offers courses approved for Veterans Administration benefits under Title 38, Chapters 30, 31, 33, 35, and 1606 of the U.S. Code. An enrollment certification will be submitted when a veteran or an eligible dependent has completed the following:

- Filed an official transcript of all previous work taken at other colleges or universities with the Admissions and Records Office (These records must be evaluated and appropriate credit granted);
- Students must see a counselor to have their program approved and to develop an education plan[1]. The program must be listed in the College Catalog;
- To be certified, students must enroll only in the classes listed on an education plan[1].

[1] Veterans and their eligible dependents are responsible for notifying the department of any ed plan or schedule changes.

ENROLLMENT AND ORIENTATION/ASSESSMENT PROCESS

AB 705

Assembly Bill 705, which took effect on January 1, 2018, requires a community college district or college to maximize the probability that the student will enter and complete transfer-level coursework in English and Math within a one-year time frame. Colleges are required to use high school coursework, high school grades, and high school grade point averages as a means of placement into English and Math courses. Please consult with a counselor for additional information. See AB-705 website (https://www.valleycollege.edu/student-services/ab-705/) for additional information.

AB 1705 Overview

- **AB 1705** builds on AB 705 to address systemic barriers in California community colleges.
- Focuses on equitable, timely completion of transfer-level English and math courses.

Key Required Actions

a. **Direct Placement**:
   - By July 1, 2023, all high school graduates pursuing a certificate, degree, or transfer must be placed in transfer-level English and math courses.
   - Pretransfer-level courses are limited to specific exceptions.

b. **Gateway Courses**:
   - Students must start in transfer-level courses that satisfy their program's requirements within one year.
   - Colleges must validate prerequisites to ensure they improve completion rates.

c. **No Repetition**:
   - Students cannot be required to repeat coursework they have successfully completed in high school or college.

d. **Non-Credit Coursework**:
   - U.S. high school graduates cannot be enrolled in non-credit courses as a substitute for transfer-level courses.

Additional Clarifications

- **Concurrent Support**: Colleges must provide academic support for students in transfer-level courses.
- **Placement Policies**: High school transcript data must be used for placement, and self-reported information is required when transcripts are unavailable.

This guide aims to ensure that students progress efficiently towards their academic goals without unnecessary delays.

Application Procedures

a. **All new and returning students must apply online at:** www.valleycollege.edu (http://www.valleycollege.edu/).

b. **Transcripts of prior work:**
   Students must have official transcripts of all college work not completed at San Bernardino Valley College sent to the Admissions and Records Office if planning to attend. **If the student does not submit an application, the transcript will be destroyed.**

c. **Orientation/Guided Self-Placement/Assessment/Advisement:**
   All new students are required to participate in Orientation and Assessment unless specifically exempted from this process. When submitting an application for admission, applicants will receive an SBVC student ID number and will need to complete a Student Orientation Session and the Guided Self-Placement Process.

Student Orientation Session

College is quite unfamiliar to first semester college students. Orientation to college will dispel most of these unfamiliarity's about SBVC. Through orientation, students will understand course offerings and services including expectations, college life and responsibilities, as well as, the college culture.

The Student Orientation Session can be completed online or on campus during peak registration.

- For online session, visit the Self-Service (https://colss-prod.ec.sbccd.edu/Student/Account/Login/) website or
- Make an onsite appointment for group session in the Assessment Center (AD/SS 101).

Guided Self-Placement Process

Students completing the Matriculation Process can now receive both math and English placement in about 10 minutes using the Guided Self Placement (GSP) Tool. Clicking on the link below will direct you to your Self-Service Student Portal where you can complete a short questionnaire for initial Math and English placement. Once you log into Self- Service, you will need to click the (Online Placement SBVC) link in order to complete the Guided Self-Placement questionnaire.

Direct Link: Self-Service (https://colss-prod.ec.sbccd.edu/Student/Account/Login/)
Average completion time for GSP is about 5 - 10 minutes.

SBVC uses an online Guided Self-Placement questionnaire in place of assessment. The questionnaire is primarily used to assist students in the following:

- Identify skill levels in English, Reading, and Math.
- Meet class prerequisite requirements.
- Choose appropriate classes.
- Develop student educational plan.

New students are required to meet with a counselor for an education plan prior to registering for classes. Visit the Counseling Center for more information.

Student Exemption

Students may be exempt from the Guided Self-Placement questionnaire/assessment if they:

- Received a grade of "C" or better in a prerequisite English course at the college level.
- Received a grade of "C" or better in a prerequisite Math course at the college level.

Students may be exempt from completing the Guided Self-Placement questionnaire/assessment if they meet at least one of the following criteria:

- Associate Degree or higher from a regionally accredited college or university;

- Earned a score of 3.0 or higher in Advanced Placement Tests in English and math;
- Enroll in courses to achieve or maintain certificate or license requirements which do not require math, reading, or English prerequisites;
- Enroll in courses for personal enrichment, which do not require Math, Reading, or English prerequisites. A maximum of 12 units may be taken prior to Assessment.

For the determination of your exemption, please speak with a Counselor.

Policy on the Guided Self-Placement Process/ Assessment

All students entering San Bernardino Valley College are required to complete the Guided Self-Placement questionnaire/ ESL assessment process unless exempted. Students may NOT retake the Guided Self-Placement questionnaire unless recommended by the department chair or division dean or recommended by the Student Policy and Scholastic Standards Committee in accordance with the exemption permitted by the SBVC Policy on the Guided Self-Placement/ESL Assessment. Students who retake the Guided Self-Placement will be advised that the most current results will supersede all other results.

Students may satisfy the prerequisite for English, math, and reading through: Completing the Guided Self-Placement questionnaire/ESL assessment process. Satisfactory completion of the prerequisite course. Previously enrolled high school students can retake the Guided Self-Placement questionnaire after they have graduated.

Here are questions students most often ask about the guided self-placement questionnaire/assessment:

Q. Why complete the Guided Self-Placement questionnaire/assessment?

A. The Guided Self-Placement questionnaire is designed to assist in the process of guiding students in proper English, Reading, and Math transfer level courses. During the Orientation/Advisement session following the completion of the Guided Self-Placement questionnaire, students will be introduced to the college's services. After the Guided Self-Placement questionnaire is processed, the counselor will assist in selecting appropriate courses for the semester.

Q. If I do not do well with the Guided Self-Placement questionnaire/ assessment, will I still be able to attend San Bernardino Valley College?

A. Yes. This is not a pass/fail exam. It is a tool to help students and counselors make appropriate educational plans.

Q. How long will it take to complete the Guided Self-Placement questionnaire/assessment?

A. Approximately five to ten minutes.

Q. What if I need disability-related accommodations to complete the Guided Self-Placement questionnaire/assessment?

A. If a student has a learning or physical disability that requires reasonable accommodation to complete the questionnaire, please contact Student Accessibility Services (SAS) in AD/SS 105.

Q. Do other colleges require students to complete a Guided Self-Placement Process?

A. Yes. Every community college in California is required to allow all new students to self-select what level of English, Reading, and Math they begin with.

Q. Does a counselor discuss my Guided Self-Placement results?

A. Yes. Counselors are the best resource to tell students how to interpret placement skills.

STUDENT SUPPORT PROGRAMS AND SERVICES

Services for Students (p. 29)

Financial Aid Programs (p. 35)

Student Rights and Responsibilities (p. 36)

Student Success and Support Program (SSSP) (p. 49)

Services for Students

Athletics

Phone Number: (909) 384-8516
Website (https://sbvc.prestosports.com/landing/index/)

San Bernardino Valley College is proud of the success of its athletic teams. Men's sports include football, basketball, baseball, track, cross-country, and soccer. Women's sports include basketball, volleyball, soccer, softball, track, and cross-country. Students interested in competing on an inter-collegiate team should contact the Director of Athletics.

CalWORKs

Location: Lois Carson Campus Center (LCCC) 208
Phone Number: 909-384-4429
Website

The San Bernardino Valley College CalWORKs Program aims to aid students receiving County CalWORKs in achieving their educational and employment-related goals. Students who qualify may receive vouchers for books and supplies, access to a computer lab, free printing services, a parking permit decal, gas cards, support with childcare, educational counseling, nutrition cards, a gift card for professional apparel, and employment assistance. Call us at 909-384-4429 or visit the CalWORKs & Workforce Development Department in Room 208 of the Campus Center for more information or to enroll in the CalWORKs Program.

Campus Business Office

Location: AD/SS 206
Hours: 8:15 a.m. to 4:45 p.m., Monday - Thursday and 8:15 a.m. to 4:15 p.m. on Fridays
Phone Number: (909) 384-4453
Website

The Campus Business Office coordinates the on-line sale of parking permits, processes pay-in-person parking permits, receives payments for college functions; and, distributes financial aid, scholarship, care and loan checks to students. In addition, the staff supports accounting services and processes deposits for the ASB, clubs and trust accounts.

Campus Child Development Center

Hours: 7:00 a.m. to 4:00 p.m., Monday-Friday
Phone Number: (909) 384-4440
Website

The SBVC Child Development Center is a licensed facility designed to meet the developmental needs of children from birth through pre-Kindergarten. Our environment nurtures the child and embraces the family. We have an open door policy and encourage all families to participate in the Center. Fees are assessed on a sliding scale (according to state guidelines), and can range from $0 to $595.00 per month, depending on income of the parent(s). Call for a tour of the Center and further eligibility and enrollment information.

Campus Store

Hours:
Monday - Thursday: 8:00 a.m. to 4:00 p.m.
Fridays: 8:00 a.m. to 3:00 p.m.
Saturday and Sunday: Closed
Phone Number: (909) 384-4435
Website

The Campus Store, located in the Campus Center, sells textbooks, general books, electronics and a wide variety of supplies, apparel, sportswear, accessories, snacks, beverages and college logo and imprinted items.

Campus Technology Services

24/7 Technical Support

SBCCD Technical Assistance Center (STAC)
Phone Number: (909) 384-4357
Website (http://support.valleycollege.edu)

The Campus Technology Services Department manages the technology systems and provides technology support services for the campus community.

Wireless Internet Services

Wireless Internet services are available by using the following information:

SSID: SBVC - Portal
Username: Student Email Address
Password: Student Email Password
(May be asked to trust a certificate)

Copiers (For Student Use)

Locations:

- Library
- Applied Technology Building (Hallway)
- Student Success Center (PS Building)

Features:

- Printing from your flash drive
- Scan to your flash drive
- Scan to your email
- B/W and Color copies

Printers (For Student Use)

Locations:

- Library
- Cyber Lounge

Clubs and Organizations

Location: Lois Carson Campus Center (LCCC) 128
Phone Number: (909) 384-4474
Email (studentlife@valleycollege.edu)
Website

Students are invited to join one of the various campus clubs – or start one of their own! For more information about campus clubs, please stop by the Office of Student Life or contact us via email or phone. For a list of available clubs and upcoming events, visit our website.

Counseling Department

Location: AD/SS 103
Phone Number: (909) 384-4404
Website

The Counseling Department is committed to ensuring a safe and supportive environment and valuing individual lived experiences. Counselors are essential in providing student-centered counseling services and ensuring equitable access and empowerment to a diverse community of learners.

The Counseling Department serves as advocates and allies to all students. Counseling faculty are available to assist students in making informed decisions about their academic, career, and life goals and to provide appropriate information and guidance to ensure that courses selected in an educational plan meet the requirements for associate and associate-transfer degrees, certificates, university transfer, and/or career advancement. Additionally, counseling faculty build a connection with students by utilizing a student-centered approach, as we understand that life happens and pathways change, but we are here to help them to stay on the right path to be successful.

The Counseling Department is committed to working towards student equity and inclusion by increasing student success and completion. As well as being advocates for our students by being up-to-date on the latest initiatives including within the framework of Student Success Act of 2012, AB 705, and Guided Pathways. By virtue of these laws, students are required to undergo the following:

- College orientation
- Guided-Self Placement
- Academic advising for basic skills as applicable
- Identification of a course of study (commonly called a major)
- Initial education planning leading to a comprehensive education plan
- Follow-up services to complete their academic goals within a reasonable time

Services that are available through the Counseling Department that include but not limited to the following:

- Educational and career planning including the development of students abbreviated and comprehensive education plans for students
- Assistance with appointments for abbreviated education plans for one to two semesters to accommodate immediate scheduling needs for registration are scheduled during the entire academic year

Note: Due to high student demand during peak registration periods, students are encouraged to meet with a counselor in September/October for Spring semester educational planning and in February/March for Summer and Fall educational planning. A comprehensive education plan outlines all semesters required to achieve a student's educational goal(s).

- Personal counseling to meet the short-term needs of students with personal concerns which impact their academic life
- International student counseling to meet specialized enrollment and counseling needs of students with F-1 Visas
- Comprehensive counseling for various special populations/learning communities, such as Puente, veterans, and athletes

Counseling services are provided to prospective, new, and continuing students on an individual and/or group basis as well as online. Students may be assisted by appointment via in-person, virtually, or through the virtual Drop-in Lobby. To make an appointment, please call or view the Counseling website. For additional information, visit our website (https://www.valleycollege.edu/student-services/counseling/).

Dedicated Engagement to Empower Part-Timers (D.E.E.P)

Location: The Village - Building #12
Phone Number: (909) 384-1695
Website

Support for Part-Time and Re-Entry Students as You Transition to College. San Bernardino Valley College's D.E.E.P program is committed to successfully transitioning part-time, first-year and returning students into college. It is the aim of the program to assist in removing barriers through various support services to effectively promote college integration, retention, graduation, and transfer for underserviced students. We understand how challenging college can be and we are here to support you while you are navigating this journey.

Dreamers and Dreamers Resource Center (DRC)

Location: The Village - Building #5
Phone Number: (909) 384-8915
Email
Website
Instagram: @sbvc_drc

The San Bernardino Valley College Dreamers Resource Center (DRC) supports the success of undocumented students, AB 540 students, students with DACA, and students from mixed-status families. The DRC provides a welcoming and inclusive environment where students can access academic counseling, educational planning, financial aid guidance, legal resource referrals, scholarships, leadership development opportunities, and community support.

Through campus partnerships and student-centered programming, the Dreamers Resource Center empowers students to achieve their educational, career, and personal goals. Bilingual services are available in English and Spanish.

EOPS & CARE

Location: AD/SS 202
Phone Number: (909) 384-4412

Extended Opportunity Programs & Services (EOPS) is a state-funded student services program designed to provide academic counseling and specialized support services to students who are both economically and educationally disadvantaged. The EOPS Program promotes student success by way of extended counseling support, priority registration, and textbook purchase assistance - just to name a few. Participation in this program is open to California residents and to AB540 students who are eligible for the California College Promise Grant (formerly known as Board of Governor's Fee Waiver) A or B, have completed less than 70 degree-applicable units, are enrolled or plan to enroll full-time each fall and

spring semester, and are considered educationally disadvantaged based on responses to questions on the EOPS application.

EOPS-eligible students who are also single-head of household, have at least one dependent child under age 18, and currently receiving County CalWORKs benefits for themselves and/or for their dependents may also be eligible to participate in Cooperative Agencies Resources for Education or the CARE Program. In addition to the EOPS services mentioned above, the CARE Program provides grants, single-parent conferences and seminars, meal cards, gas cards, and school supplies.

Food Service/Snack Bar

Locations:
Cafeteria (https://www.valleycollege.edu/about-sbvc/offices/office-vp-admin-services/food_service/): Main floor of the Lois Carson Campus Center (LCCC)
Sunroom (https://www.valleycollege.edu/about-sbvc/facilities/sunroom-restaurant/): Main floor of the Lois Carson Campus Center (LCCC)

The Campus Cafeteria is available year round for hot meals fresh off our grill. During the fall and spring semesters, our Snack Bar provides a selection of pre-packaged sandwiches, salads, snacks, and hot and cold beverages. Food and drink items can also be obtained from the vending machines located throughout the campus. During the fall and spring semesters, the college's award-winning Culinary Arts program operates an on-campus restaurant, The Sunroom. The Sunroom offers a variety of sandwiches, salads, and daily specials at a nominal price.

Fresh Success

Location: Lois Carson Campus Center (LCCC) 208
Phone Number: (909) 384-4429

Fresh Success is a CalFresh employment and training program that encourages participants to gain education and skills that will lead to better employment and a path to financial independence. In order to be eligible for the Fresh Success program, students must receive CalFresh benefits, as well as be enrolled in career education training courses, English as a second language courses or basic skills courses. Students in Fresh Success may be eligible for the following benefits: textbook services, meal cards, gas cards, school supplies, parking permits and emergency/temporary housing. For additional information about the Fresh Success or to enroll, please call 909-384-4429 or visit the CalWORKs & Workforce Development Department in Room 208 of the Campus Center.

Gresham Gallery

Phone Number: (909) 384-4432
Website (https://www.valleycollege.edu/about-sbvc/facilities/art-gallery/)

The Gresham Gallery is a learning lab featuring temporary exhibitions of innovative art throughout the year. Exhibitions and programming are organized with our students in mind, augmenting their academic experience by complementing the college's curricula and broadening their understanding of art. We strive to foster critical thinking and encourage innovation and investigation through art. The Gresham Gallery advances the mission of San Bernardino Valley College by providing a dynamic, supportive, and engaging environment where our diverse students learn and benefit.

The Huddle

(Student Athlete Academic Center)

Location: Gym 139
Phone Number: (909) 387-1657
Website

The Huddle supports and enables student athletes to utilize and integrate the academic resources provided by The Huddle, SBVC Athletics, and Counseling to promote academic success and increase retention, graduation, and transfer rates. The Huddle assists prospective, current, and former SBVC student athletes with their matriculation to SBVC, their academic success at SBVC and their transfer from SBVC to a four-year university.

Services Provided by The Huddle include:

- Academic Counseling and Advisement
- Computer Lab Access
- Free Tutoring (Individual or Group)
- Printing Access
- Registration Assistance
- Study Space

Next/Up & Guardian Scholars Program

Location: Lois Carson Campus Center (LCCC) 208
Phone Number: (909) 384-8287

The NextUp Program provides supportive services to current and former foster youth who were in foster care for at least a day on or after their 13th birthday and who are currently under the age of 25 in their first term of acceptance. The Guardian Scholars Program provides supportive services to current and former foster youth between the ages of 17 and 26 years of age who have experienced foster care and helps them to excel in higher education. Both programs are designed to provide assistance and support to students with educational goals and practical day-to-day needs to ensure that full advantage is taken of college life, both inside and outside the classroom. The programs are a safe place where students can come and create a community with the staff and their fellow students to help them achieve their academic goals.

Parking Regulations

A Daily or Semester permit is required to park in all college streets and parking lots. Please adhere to all posted parking regulations, including signs and colored curbs. Permits are available for purchase online. To obtain a Semester Permit, log in to Self-Service and select Student Semester Parking Permit, or choose Daily Parking Permit for a daily pass.

Parking Decal Fees

Fee	Amount
One Semester (Fall or Spring)	$45.00
with BOG Waiver	$35.00
Daily Permit	$3.00

Disability Parking

Individuals with disabilities must display a valid DMV-issued Handicap Permit placard along with a valid college parking permit when parking in designated disabled spaces.

Liability Disclaimer

The Board of Trustees of the San Bernardino Community College District, along with its administration and employees, will not be held liable for any loss or damage to vehicles or their contents, whether due to fire, theft, or any other cause, while parked or stored on District property.

Puente Project

Phone Number: (909) 384-8255
English Professor/Co-coordinator: Alma G. Lopez (alopez@valleycollege.edu)
Counselor/Co-coordinator: Elizabeth Banuelos (ebanuelos@valleycollege.edu)
Website

The Puente Project is a national award-winning program that helps tens of thousands of educationally underserved students who enroll in four-year colleges and universities, earn degrees, and return to the community as leaders and mentors for future generations. Puente has been at SBVC since 1984 and is a successful statewide transfer program sponsored by the University of California and California Community Colleges. Puente consists of three components: Writing, Counseling, and Mentoring.

Students take three writing classes: ENGL C1000 in the Fall semester and ENGL C1001 in the Spring semester. Students build confidence in their writing skills through an exploration of Mexican American/Chicano/Latino literature. The English courses are linked with two Student Development courses, SDEV 102 in the Fall semester, and, SDEV 103 in the spring semester.

Puente is open to all students.

- Puente students attend the Puente Motivational Conference in the Fall semester and are exposed to cultural activities year-round.
- Puente students complete their English course sequence requirement to transfer to a CSU or UC in one year.
- Students have the option to receive resources such as school supplies, assigned textbooks for Puente classes, and visits to four-year universities while they are a part of Puente.

Scholarships and Awards

Location: Lois Carson Campus Center (LCCC) 226
Phone Number: (909) 384-4471
Website

Scholarships are offered each year to students enrolled at San Bernardino Valley College and detailed information is available to students year-round at the SBVC Scholarship Website. There are two types of scholarships available to students, *Inside Scholarships and Outside Scholarships*. Most scholarships are funded through businesses, associations and college organizations; however, some are funded through individual donations to the SBVC Foundation. Scholarship recipients are selected based on a wide variety of criteria including, in some cases, academic achievement, financial need, community service and barriers or obstacles to their education.

The Scholarships Office administers the program in conjunction with the SBVC Scholarship Committee, which is composed of faculty and staff from across the campus. Students who have completed 12 units or more at SBVC may apply for the Inside Scholarship, which includes over 100 individual scholarships by completing the online application between October and January each year.

Outside Scholarship information is available 12 months out of the year, and scholarship workshops are available to assist students with the process. Scholarship workshops are especially helpful for first time applicants and specialized populations such as AB540, disabled students, foster youth, transfer students, re-entry students and other students facing challenges to funding their education. Students are advised to check the website monthly for workshop schedules, updates and new scholarship postings.

Student Accessibility Services (SAS)

Location: AD/SS 105
Phone Number: (909) 384-4443
Website
Email

Student Accessibility Services (SAS) is dedicated to equal access and is committed to guiding students toward realizing their full potential. Our SAS team assists students with temporary or permanent disabilities, so they have equal access to all educational programs and activities on campus. As part of our commitment to providing a supportive and inclusive learning environment, the SAS team is dedicated to ensuring that students' specific academic needs are met. Eligibility for SAS is based on disability verification and an interactive process with an SAS counselor or learning disabilities specialist.

Academic adjustments and auxiliary aids include alternate media, assistive technology, American Sign Language interpreters, assistive listening devices, spell checkers, tape recorders, magnification devices, specialized keyboards, and computer-assisted real time transcription. Services include SAS intake and orientation, learning disabilities assessment, academic counseling/advising, education planning, disability-related counseling, personal counseling, vocational counseling, vocational plans, referral to campus and community resources, note takers, campus orientation, priority registration, registration assistance, assistive technology assessment and training, scribes, e-text, and test-facilitation. SAS offers specialized tutoring in math and English.

Students with permanent or temporary disabilities may apply for SAS. Decisions regarding eligibility are made on an individual basis. For more information, contact SAS by phone at (909)384-4443, by email (sbvcsas@valleycollege.edu), or visit the SAS Office in AD/SS 105.

Student Health Services

Location: Parking Lot 8, South of the Track and Football Field
Phone Number: (909) 384-4495
Website

Student Health Services provides services to keep students healthy so they can achieve their academic goals. Our integrated facility offers both physical and mental health services provided by a variety of skilled counselors and practitioners. Educational experiences are also provided to support students in developing and maintaining optimal levels of health and quality of life. There is no charge for office visits, however a nominal fee is charged for medication, lab tests, and immunizations. A Health fee is paid at the time of registration to support Student Health Services. The amount of this fee is posted in the *Class Schedule*. In addition to the health fee, International Students attending SBVC on a student visa must purchase international insurance through the Counseling Center, which covers repatriation and medical evacuation expenses in addition to medical coverage. They must also provide a negative tuberculin skin test or a chest X-ray.

Students are not charged the health fee if they qualify for one of the following exemptions:

- Apprentices attending college under an approved training program;
- Students attending college classes on high school campuses;
- Students enrolled only in community services classes;
- Students who depend exclusively upon prayer for healing in accordance with the teachings of a bonafide religious sect, denomination or organization (documentation required).

Those students who do not attend classes on campus, or who are registered only for Distributed Education classes, will pay only an accident insurance premium of $1.50 per term. This is a secondary insurance and requires a $50 deductible.

Student Life & Associated Student Government (ASG)

Location: Lois Carson Campus Center (LCCC) 128
Phone Number: (909) 384-4474
Email
Website

The Office of Student Life assumes a leadership role in creating a campus environment that integrates the learning experience, which complements the academic curriculum. Programs and services are provided to enhance students' ability to learn and develop the life skills necessary to become productive and caring members of our global society. Student participation in the design and implementation of campus wide programs provides opportunities to develop and enhance characteristics of leadership, interpersonal skills, and personal growth. The office provides structured activities, programs, services, resources and facilities to accomplish this mission.

Associated Student Government

Location: Lois Carson Campus Center (LCCC) 128
Phone Number: (909) 387-1611
Website

The Associated Student Government (ASG) is the official student government organization of San Bernardino Valley College. The ASG represents all SBVC students. The primary responsibility of ASG members is to represent student interests on college, district and statewide committees. In addition, they plan and manage various ASG accounts, including the Student Body Center Fee Account, the Student Representation Fee Account and the General Account. Funds from these accounts are used to support various activities, advocating efforts and Campus Center services and programs. Students can become active in ASG either by running for office during the spring semester or by applying to be appointed to any vacant positions during the fall semester. Appointments are at the discretion of the ASG President with Board of Senators ratification.

Transfer and Career Services

Location: AD/SS 203
Phone Number: (909) 384-4410
Website

The Transfer Center is open to students planning to transfer to any four-year college or university and/or seeking career counseling and information. The center provides the following transfer services and annual events:

- Transfer and Career Counseling by appointment or walk-in
- One-on-one appointments with a four-year college or university representative in the Transfer Center
- A variety of university representatives in the Library Walkway during the spring, summer, and fall semesters
- Transfer requirements relative to four-year college or universities.
- Transfer orientation sessions
- Assistance with major selection
- Credit evaluations
- Transfer agreements
- Information about special programs such as TAP, TAG and Cross Enrollment
- Field trips to four-year institutions
- A monthly calendar of events

Annual Events:

- TAG, UC, and CSU University Application Workshops in the fall semester
- Transfer/College Fairs in the spring and fall semesters
- Transfer Celebration and Reception in the spring semester
- Transfer 101 Conference in the spring semester

Career counseling is available to assist students with career development and planning process, and resources that assist students with identifying career goals that will prepare students to meet the demands of the global job market. Multiple career assessments are available. The various assessments focus on personality, interest, abilities and skills. The Career Counselor provides assistance with resume writing, mock interviews and cover letters.

Transfer materials can be requested from the Transfer Center.

Please call, stop by the Transfer Center, or check the above website to schedule an appointment on-line.

Umoja-Tumaini

Center Location: The Village - Building #4
Coordinator Location: The Village - Building #12 (Office 14)
Phone Number: (909) 384-1503 or (909) 384-8598
Website

Umoja-Tumaini is a learning community at San Bernardino Valley College rooted in the principles of Unity (*Umoja*) and Hope (*Tumaini*). Grounded in African and African American history, literature, and culture, Umoja-Tumaini is dedicated to the personal, academic, and cultural success of all students — with a particular commitment to students of African descent and those who have been historically underrepresented in higher education.

Umoja-Tumaini operates on the philosophy of Ubuntu: *I am because we are.* Students are not seen as problems to be solved — they are whole people, Watu Wazima, whose brilliance belongs in every room, on every campus, and in every future they choose.

The community combines intentional counseling, culturally affirming coursework, peer community, and a rich calendar of events to support students in completing their degree or certificate and transferring to a four-year university.

Umoja-Tumaini is open to all SBVC students.

Benefits of Umoja-Tumaini:

- Priority registration so you can get the classes you need
- Your own counselor — someone who knows you by name
- A dedicated space on campus just for you — The Umoja-Tumaini Village
- Culturally affirming courses rooted in African and African American thought and culture
- Monthly events, workshops, and community gatherings
- Leadership opportunities and mentorship
- College tours, HBCU access, and transfer support

Valley 360 Resource Center (The Pantry)

Location: Left Side of the Library
Email
Website

The Valley 360° Resource Center provides food, clothing, hygiene, and baby items (subject to availability) for hundreds of San Bernardino Valley College students, allowing them to focus more time on their academics and pursuing their professional and personal goals. Students can pick up pre-packaged food and/or hygiene bags with their student ID card or number. Limit one (1) visit per week. The Valley 360° Resource Center is located on the left side of the Library, facing AutoZone. For more information and current hours, visit our website or email us.

Veteran's Resource Center (VRC)

Location: Lois Carson Campus Center (LCCC) 133
Phone Number: (909) 384-4411
Website
School Certifying Official: veterans@valleycollege.edu

San Bernardino Valley College (SBVC) Veteran's Resource Center assists veterans for the following benefit programs:

- Chapter 30 – Active Duty Educational Assistance Program
- Chapter 31 – Veteran's Administration Vocational Rehabilitation
- Chapter 33 – Post-9/11 GI Bill®
- Chapter 33TR – Post-9/11 GI Bill® Transfer to VA Dependents
- Chapter 35 – Survivors and Dependents Educational Assistance Program
- Chapter 1606 – Selected Reserve Educational Assistance Program

Veterans and/or dependents seeking to use VA Educational Benefits should apply online at www.va.gov (http://www.va.gov). If eligible for VA educational benefits, the student will receive two copies of the Certificate of Eligibility (COE). One copy of the COE must be submitted to the Veteran's Services office at the student's home college location and the other copy should be kept by the student for his/her personal records. All Veteran and/or dependent students must follow San Bernardino Valley College's enrollment policies and procedures in order to register into classes.

VRC Resources Include:

- Counseling-Academic & Wellness
- Free Printing/Computer Lab
- GI Bill® Certification/VA Liaison
- Graduation Sashes
- Lounge
- Networking
- Scantrons/Green Books/Stationary Supplies
- Tutoring
- Vet Club
- Veteran Work Study

Students must apply online to San Bernardino Valley College and complete any required assessment testing and online orientation. Veterans and/or dependent students are also required to agree and submit a Veteran's Statement of Responsibility every semester to request a benefits certification to the School Certifying Official (veterans@valleycollege.edu). Students may also be eligible for other types of financial assistance are encouraged to submit the Free Application for Federal Student Aid (FAFSA) online (https://studentaid.gov/h/apply-for-aid/fafsa/).

Students must set up an appointment with a VA Educational Counselor to complete our VA Student Education Plan (SEP). Once the VA-SEP has been completed, Veteran's Services will verify that the classes are included on the VA-SEP and certification will be submitted to the VA for benefit processing. If you have questions regarding benefit payments or how to retrieve a copy of your *Certificate of Eligibility*, please contact the VA at (888) GIBILL-1 or visit the website https://www.ebenefits.va.gov/. Veteran students may be eligible for priority registration at SBVC. It is the students' responsibility to submit a copy of their DD214 (Service 2 or Member 4 Copy) to the Veteran's Services office to verify eligibility.

Dependent students must complete the admissions process but are not eligible for priority registration. For additional assistance, you may contact the SBVC Veteran's Resource Center or the School Certifying Official (veterans@valleycollege.edu).

Welcome Center

Location: AD/SS 102
Phone Number: 909-384-8766
Website

The Welcome Center serves as a central resource for students seeking information about San Bernardino Valley College.

Staff is available to assist students with the college application process, class registration, and other general questions.

Both new and returning students can receive information about academic programs, use computers to complete admissions and registration tasks, and obtain directions to student support services across campus. The Welcome Center also provides helpful resources, including campus maps, the college catalog, and student resource guides.

The Welcome Center is committed to supporting students throughout their educational journey at SBVC.

Workforce Innovation & Opportunity Act (WIOA)/ Employment Development Department (EDD)

Location: Lois Carson Campus Center (LCCC) 208
Phone Number: 909-384-4429
Website

Workforce Innovation & Opportunity Act (WIOA) and the Employment Development Department (EDD) provide educational support services and

occupational skills to San Bernardino Valley College students to help them enter or re-enter the workforce. Call us at 909-384-4429 or visit the CalWORKs & Workforce Development Department in Room 208 of the Campus Center.

Financial Aid Programs

Financial Aid

Location: AD/SS 106
Phone Number: (909) 384-4403
Website

The Financial Aid Office helps students access financial assistance from federal, state, and institutional programs. If you need help covering the cost of attending San Bernardino Valley College, we are here to support you.

While students and their families are primarily responsible for educational expenses, we recognize that not all students can meet the full cost of college. San Bernardino Valley College offers financial aid programs to help eligible students who may not otherwise be able to attend.

Application Timeline

To apply for financial aid, students must complete the Free Application for Federal Student Aid (FAFSA) or the California Dream Act Application (CADAA).

- Applications for the 2026–2027 academic year open October 1, 2025.
- Priority deadline for state aid (e.g., Cal Grant): March 2, 2026.
- Additional Cal Grant deadline for community college students: September 2, 2026.

Students are encouraged to apply as early as possible. Financial aid awards are limited to the availability of funds and are awarded on a first-come, first-served basis, with priority given to those who meet the March 2 deadline and demonstrate the greatest financial need.

The processing of a financial aid application can take up to eight weeks or longer, especially during peak times. Late submissions may result in delayed awarding or reduced aid.

Application Procedure

Students must complete the FAFSA at studentaid.gov (https://studentaid.gov/h/apply-for-aid/fafsa/) or the CADAA at dream.csac.ca.gov (https://dream.csac.ca.gov/). Online submission is highly recommended, as it speeds up processing.

Be sure to include **San Bernardino Valley College (School Code: 001272)** on your application. Applications that do not list the correct school code cannot be processed.

Financial aid is not automatically renewed each year. Students must reapply annually. Specific program deadlines may vary, so students should visit the Financial Aid website early each calendar year for updated information.

Eligibility Requirements

To receive federal or state financial aid, students must:

- Possess a high school diploma or recognized equivalent (effective July 1, 2012)
- Have a qualifying educational goal (e.g., degree, certificate, transfer)
- Maintain Satisfactory Academic Progress (SAP)
- Be a U.S. citizen or eligible non-citizen for federal aid
- Be a California resident for state financial aid

Under AB 540, undocumented students may qualify for state financial aid through the California Dream Act Application. AB 540 students must also be verified by the Admissions & Records Office to confirm eligibility.

Financial Aid Programs

California College Promise Grant (CCPG)

Formerly the BOG Fee Waiver, the CCPG waives enrollment fees for eligible California residents. Students may apply by submitting the FAFSA or CADAA. CCPG does not cover material or college service fees.

Important Note: Students may lose CCPG eligibility and priority registration if they fail to meet academic and/or progress standards for two consecutive primary terms (excluding summer). Loss of eligibility may be appealed. Reinstatement is possible through meeting SAP standards, successful appeal, or sitting out two terms.

Cal Grant

Cal Grants are awarded by the California Student Aid Commission (CSAC). To apply, students must submit a FAFSA or CADAA and a GPA Verification Form by March 2. A second deadline of September 2 is available for California community college students only. SBVC participates in Cal Grant B and Cal Grant C programs. For more information, visit csac.ca.gov (https://www.csac.ca.gov/).

California Chafee Grant

Provides up to $5,000 per year to current or former foster youth for college or career training. Learn more at: chafee.csac.ca.gov (https://chafee.csac.ca.gov/).

Federal Pell Grant

A need-based federal grant for undergraduate students. Awards are based on FAFSA results and may be used for tuition, books, transportation, and living expenses. Pell Grants typically do not need to be repaid.

Federal Supplemental Educational Opportunity Grant (FSEOG)

This grant supplements the Pell Grant for students with exceptional need, with priority given to Pell Grant recipients. Unlike Pell Grants, there is no guarantee that every eligible student will receive a FSEOG award since funds are limited. These grants do not need to be paid back and recipients are determined by the criteria set by the Financial Aid Office.

Federal Work-Study (FWS)

Provides part-time employment on or off campus for students with financial need. Students must be enrolled in at least 6 units per semester and must be meeting SAP. The average annual award is $5,000.

Student Success Completion Grant (SSCG)

Awarded to students receiving Cal Grant B or C who are enrolled full-time (12+ units). The SSCG supports timely program completion.

- 12–14.99 units: Up to $1,298/semester ($2,596/year)
- 15+ units: Up to $4,000/semester ($8,000/year)
- Current/former foster youth: Up to $5,250/semester ($10,500/year)

Students must maintain SAP and follow their comprehensive Student Education Plan to remain eligible.

Satisfactory Academic Progress (SAP)

To receive financial aid, students must meet SBVC's Satisfactory Academic Progress Policy, which is evaluated at the end of each semester. SAP includes:

- Minimum GPA requirement of at least 2.0
- Completion of at least 67% of attempted units
- Completion within the 150% maximum timeframe

Failure to meet SAP may result in loss of eligibility. The full SAP policy is available on the Financial Aid website.

Return of Title IV Funds (R2T4) Policy

Students who withdraw from all classes before completing more than 60% of the term may be required to repay unearned financial aid.

The Financial Aid Office calculates earned aid using a federally mandated formula based on the last date of attendance, which may be determined by:

- Student's official withdrawal date
- Midpoint of the semester (if no withdrawal was submitted)
- Last date of an academically related activity

Students who do not attend any of their courses will be required to repay all financial aid received.

Need More Help?

More information about all financial aid programs, policies, and application procedures is available on the Financial Aid website (https://www.valleycollege.edu/admissions-financial-aid/financial-aid/). If you have questions, please visit the Financial Aid Office in AD/SS 106 or call (909) 384-4403.

Student Rights and Responsibilities

Academic Records

Student academic records are treated in a confidential and responsible manner as required by the Family Educational Rights and Privacy Act of 1974 (FERPA). Students have:

a. **The right to inspect and review their education records within 45 days of the day the College receives a request for access.**
A student should submit to the Director of Admissions and Records, a written request that identifies the record(s) they wish to inspect. The Director will arrange for access and will notify the student of the time and place where the record(s) may be inspected. If the records are not maintained by the Admissions and Records Office, the Associate Dean will advise the student of the correct official to whom the request should be addressed.

b. **The right to request the amendment of the portions of their education records that they believe are inaccurate or misleading.**
Students should write to the Director clearly identifying the part of the record they want changed, and specifying why it is inaccurate or misleading. If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and will advise the student of their right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

c. **The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.**
One exception that permits release of student records without written consent is disclosure to school officials with legitimate educational interests. A "school official" is defined as a person employed by the college in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the college has contracted (such as an attorney, auditor, or collection agent); a member of the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a "legitimate educational interest" if the official needs to review an education record in order to fulfill professional responsibility.

d. **Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by San Bernardino Valley College to comply with the requirements of FERPA.**
The name and address of the Office that administers FERPA:
Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-8520

Academic Dishonesty

It is the belief at San Bernardino Valley College that students share a responsibility with their instructors for assuring that their education is honestly attained. In keeping with this belief, every instructor has the responsibility and authority to deal with any instances of plagiarism, cheating and/or fabrication that occur in the classroom. This policy on Academic Dishonesty applies to all students, including students taking online and hybrid classes. Examples of academic dishonesty include (but are not limited to) the following:

Plagiarism

Plagiarism is the act of presenting someone else's work as one's own.

Examples include:

- Copying and pasting text from websites or other electronic sources and presenting it in an assignment as your own original work;
- Copying and pasting text from printed sources (including books, magazines, encyclopedias or newspapers) and presenting it in an assignment as your own original work;
- Using another student's work and claiming it as your own original work (even if you have the permission of the other student).

Cheating

Cheating is the act of pretending (or helping others to pretend) to have mastered course material through misrepresentation.

Examples include:

- Copying from another student's test or assignment.
- Allowing another student to copy from your test or assignment;
- Using the textbook, course handouts, or notes during a test without instructor permission;
- Stealing, buying or otherwise obtaining all or part of a test before it is administered;
- Selling or giving away all or part of a test before it is administered;

- Having someone else attend a course or take a test in your place;
- Attending a course or taking a test for someone else;
- Failing to follow test-taking procedures, including talking during the test, ignoring starting and stopping times, or other disruptive activity.

Fabrication

Fabrication is the intentional use of invented information. Examples include:

- Signing a roll sheet for another student;
- Giving false information to college personnel;
- Answering verbal or written questions in an untruthful manner;
- Inventing data or sources of information for research papers or other assignments.

As members of the San Bernardino Valley College learning community, students are not to engage in any form of academic dishonesty. Any act of academic dishonesty will be considered a very serious offense that is subject to disciplinary action. The consequences of academic dishonesty may include receiving a grade of "F" for a class or possible expulsion from the college.

Substance Abuse

The San Bernardino Community College District strives to maintain a workplace free from the illegal use, possession or distribution of controlled substances as defined in the Controlled Substances Act. Students, employees and visitors are subject to applicable legal sanctions under local, state or federal law for the unlawful possession or distribution of illicit drugs and alcohol. Disciplinary action will be imposed on a student for misconduct for the following infractions while attending college classes or college-sponsored events:

- The use, sale or possession of illegal drugs;
- The presence on campus of anyone under the influence of drugs or alcohol;
- The use or possession of alcoholic beverages on college property or at any college-sponsored event.

Animals on Campus

The college does not permit staff or students to bring animals on campus, with the exception of "seeing eye" and "hearing ear" and "seizure" dogs and animals used for instructional purposes. At no time should dogs be left in vehicles.

Children on Campus and in the Classroom

All children (with the exception of high school students who have been admitted to the Middle College program) must be accompanied by an adult while on campus. Children are not allowed in the classroom under any conditions and are not to be left unattended in any campus facility. Should this occur, the District Police will be notified immediately.

Computer Use Policy

The San Bernardino Community College District has a Computer Use Policy (AP 3720) that all students and employees are expected to follow. These documents set the foundation for the following items: Ownership Rights, Privacy Interests, District Rights, System Abuse, Misrepresentation, Liability, Harassment, Commercial Use, Fair Use, Software Licensing, Exceptions, Network Access, Media, Social Networking, PDA, and Smartphone. These documents can be found on the District website at: www.sbccd.org (http://www.sbccd.org) under Board Policies and Administrative Procedures.

Financial Obligations

Students who have an outstanding financial obligation will not be allowed to register for classes, receive grades, transcripts, diplomas or certificates, obtain enrollment verification or receive any other services normally afforded students in good standing. Examples of obligations falling under this policy include (but are not limited to) returned checks, unpaid loans, equipment breakage, and unpaid library fines. An item or service withheld shall be released when the student satisfactorily meets the financial obligation.

Speech: Time, Place, and Manner

Designated Public Forum (DPF) Areas have been identified throughout the campus. Individuals or organizations wishing to use a DPF must notify the Campus Business Office or the Office of Student Life at least one hour prior to use and fill out a *Free Speech* Application.

In accordance with Education Code Section 76120, the use of Free Speech Areas is subject to the following:

- Persons using the DPF area(s) and/or distributing material in the DPF area(s) shall not impede the progress of passersby, nor shall they force passersby to take material;
- No person using the DPF area(s) shall touch, strike or impede the progress of passersby, except for incidental or accidental contact, or contact initiated by a passerby;
- Persons using a DPF area shall not use any means of amplification that creates a noise or diversion that disturbs or tends to disturb the orderly conduct of the campus or classes taking place at that time;
- No persons using the DPF area(s) shall solicit donations of money, through direct requests for funds, sales of tickets or otherwise, except where he or she is using the DPF area(s) on behalf of and collecting funds for an organization that is registered with the Secretary of State as a nonprofit corporation or is an approved by Associated Student Government or club;
- All persons using the DPF area(s) of the college shall be allowed to distribute petitions, circulars, leaflets, newspapers, and other printed matter. Such distribution shall take place only within the DPF area(s). Material distributed in the DPF area(s) that is discarded or dropped in or around the DPF area(s) other than in an appropriate receptacle must be retrieved and removed or properly discarded by those persons distributing the material prior to their departure from the DPF area(s) that day.

Posting

Students shall be provided with bulletin boards for use in posting student materials at campus locations convenient for student use. Materials displayed shall be removed after the passage of specified days.

Standards of Conduct

In the classroom: Students and instructors are expected to take responsibility for helping to create a quality classroom environment. Students are expected to show respect for the instructor and their fellow students. This includes arriving on time, staying for the entire class period, completing assignments, bringing textbooks and other appropriate materials to class, refraining from talking while the instructors or classmates are presenting, leaving cell phones and other electronic devices off that may be distracting, using a moderate, mature, and

respectful tone when participating in group discussions, and refraining from inappropriate language an behavior, including, physical, mental, and verbal harassment while on campus.

An instructor has the right to remove a student from a class period if a student's behavior interferes with instruction. Prior to removal, the faculty member is responsible to identify the behavior and inform the student that failure to correct the issue may result in removal from the class. If the behavior persists, the faculty member may remove, for good cause, any student from their class for up to two (2) class sessions. The student shall not return to the class during the period of the removal without permission of the instructor. Nothing herein will prevent the college president or designee from recommending further discipline in accordance with these procedures based on facts that led to the removal. As used in this rule, "good cause" includes those offenses listed in the Student Code of Conduct. In instances of online courses, students access to course content will be removed for a period of time comparable to two class sessions.

On the campus: Creating a proper campus environment is also very important for academic and individual success. The Board of Trustees of the San Bernardino Community College District has established district-wide standards of student conduct, which will be enforced at all times. These rules of conduct are particularly important in large common areas such as the cafeteria, bookstore, vending areas, campus quads, and other highly frequented areas.

Grounds for Disciplinary Action

The Chancellor shall be responsible for procedures that impose discipline on students in accordance with due process outlined in federal and state law and regulations. The following behaviors are subject to disciplinary action ranging from verbal reprimand through removal, suspension or expulsion of a student:

- Academic Misconduct. All forms of academic misconduct including, but not limited to, cheating, fabrication, plagiarism, or facilitating academic dishonesty.
- Alcohol. Manufacture, distribution, dispensing, possession, use, consumption or sale of, or the attempted manufacture, distribution, dispensing, distribution, consumption or sale of alcohol that is unlawful or otherwise prohibited by, or not in compliance with, District policy, administrative procedures, or campus regulations.
- Assault/Battery. Assault, battery, or any threat of force or violence upon a Student or upon any Member of the District Community. This includes, but is not limited to:
  - Inflicting bodily harm upon any Member of the District Community;
  - taking any action for the purpose of inflicting bodily harm upon any Member of the District Community;
  - taking any reckless, but not accidental action, from which bodily harm could result to any Member of the District Community;
  - Causing a Member of the District Community to believe that the offender or their agent may cause bodily harm to that person or any member of their family or any other Member of the District Community;
  - Inflicting or attempting to inflict bodily harm on oneself.
- Bias. Bias-related incidents are behavior that constitutes an expression of hostility against a person or property or another due to the targeted person's race, religion, sexual orientation, ethnicity, national origin, gender, age, marital status, political affiliation, or disability. These acts or behaviors may not rise to the level of a crime, or a violation of state or federal law, but may constitute to creating an unsafe, negative, or unwelcome environment for the targeted person.
- Continued Misconduct or Repeat Violation. Repeated misconduct or violations of this Policy, when other means of correction have failed to bring about proper conduct.
- Dating Violence. Violence committed by a member of the District Community who is, or has been, in a social relationship of a romantic or intimate nature with the victim.
- Destruction of Property. The damaging, destroying, defacing, or tampering with District Property or the property of any person or business on District Property or at a District function, including but not limited to, taking down, defacing, or otherwise damaging District authorized posters, handbills and/or notices posted on District property.
- Discrimination. Unlawful discrimination against a person on the basis of race, ethnicity, color, religion, national origin, sex, age, disability, military or veteran status, gender identification, gender expression, marital status; sexual orientation, or genetic information, except where such distinction is authorized by law.
- Dishonesty. All forms of dishonesty including but not limited to fabricating information, furnishing false information, or reporting a false emergency to the District.
- Disorderly or lewd conduct. Engaging in disorderly or lewd, indecent or obscene behavior on District Property or at a District function.
- Disruption of Educational Process. Destruction or disruption on or off District Property of the District educational process(es), including but not limited to interrupting, impeding, obstructing or causing the interruption or impediment of any class (regardless of modality), lab, administrative office, teaching, research, administration, disciplinary procedures, District activity or District authorized Student activity or administrative process or other District function; or disturbing the peace on District Property or at any District function.
- Disruptive Behavior. Disruptive behavior, disobedience, profanity, vulgarity, or the open defiance of the authority of or abuse of District personnel, or which adversely effects the delivery of educational services to Students and the District Community.
- Disturbing the Peace. Disturbing the peace and good order of the District by, among other things, fighting, quarreling, disruptive behavior, or participation in a disturbance of the peace or unlawful assembly.
- Drugs. Unlawful or attempted manufacture, distribution, dispensing, possession, use, distribution or sale of, controlled substances, dangerous drugs, restricted dangerous drugs or narcotics, as those terms are used in state or federal statutes on District Property or at any District function. Possession of medicinal marijuana on District premises is prohibited.
- Endangering Welfare of Others. Violation of any state or federal law relating to the placing at risk of physical or emotional harm of a member of the District Community.
- Failure to Appear. Failure to appear before a District official when directed to do so.
- Failure to Comply or Identify. Failure to identify oneself to, or comply with the directions of, a District employee when requested.
- Failure to Repay Debts or Return District Property. Failure to (a) repay debts to the District; (b) return District property; (c) return property of any member of the District Community.
- False Report of Emergency. Knowingly and purposefully, causing, making, and/or circulating a false report or warning of a fire, explosion, crime, or other catastrophe.
- Forgery. Any forgery alteration, or misuse of any District document, record, key, electronic device, or identification, or knowingly furnishing false information to a District official.

- Fraud. Any attempt to steal, take, carry, lead, or take away the personal property of another, or who fraudulently appropriated property which has been entrusted to him or her, or who shall knowingly and designedly, by any false or fraudulent representation or pretense, defraud any other person of money, labor or property, or who causes or procures or obtains credit and thereby, or fraudulently gets or obtains possession of money, or property, or obtains the labor or service of another, is guilty of theft.
- Gambling. Unauthorized gambling on District Property or at any District function.
- Harassment/Bullying. A specific act, or series or acts, of a verbal or physical nature, including threats, intended to annoy, intimidate, pester, aggravate, irritate, dominate, ridicule, or cause fear to a member of the District Community, occurring within the jurisdiction of the District as set forth in Section 1.4.
- Hateful Behavior. Hateful behavior aimed at a specific person or group of people.
- Hazing. Participation in hazing or any method of initiation or pre-initiation into a campus organization or other activity engaged in by the organization or members of the organization at any time that causes, or is likely to cause, physical injury or personal degradation or disgrace which can inflict psychological or emotional harm to any Student or other person.
- Infliction of Mental Harm. (a) Inflicting mental harm upon any member of the District Community; (b) taking any action for the purpose of inflicting mental harm upon any Member of the District Community; (c) taking any reckless, but not accidental action, from which mental harm to Member of the District Community could result; (d) causing a Member of the District Community to believe that the Student or their agent may cause mental harm to that person or any member of their family or any other member of the District Community; (e) any act which purposefully demeans, degrades, or disgraces any person.
- Library Materials. Cutting, defacing, or otherwise damaging or theft of college library or bookstore materials or property.
- Misrepresentation. A false statement or representation based upon the intentional disregard of false or possibly false information, or knowingly entering into a transaction based upon false information, or misrepresenting oneself to be an agent, employee, or representative of the District or its colleges.
- Misuse of Identification. Transferring, lending, borrowing, altering or unauthorized creation of identification.
- Possession of Stolen Property. Possession of District Property, or the property of any other person, when the Student knows or reasonably should know, that the property was stolen.
- Possession of Weapons. Unauthorized possession, use, storage, or manufacture of explosives, dangerous chemicals, firebombs, firearms, or other destructive devices or weapons as defined in Section K of Appendix A.
- Public Intoxication. Public intoxication or being under the influence of alcoholic beverages, any illegal narcotics, or any substance that causes impairment on District/College Property or at any District/College function.
- Sexual Harassment. Sexual harassment against a member of the District Community. Sexual harassment is defined as (a) unwelcome verbal harassment, e.g., epithets, derogatory comments, or slurs; (b) physical harassment, e.g., assault, impeding or blocking movement, or any physical interference with normal work or movement when directed at an individual; (c) visual forms of harassment, e.g., derogatory posters, cartoons, or drawings; (d) unwelcome sexual advances, requests for sexual favors; or (e) an intimidating, hostile, or offensive environment. "Unwelcome conduct" is defined as conduct which the member of the District Community does not solicit or initiate, and which the person regards as undesirable or offensive.
- Sexual Misconduct comprises a broad range of unwelcome behaviors focused on sex and/or gender that may or may not be sexual in nature. Any intercourse or other intentional sexual touching or activity without the other person's consent is sexual assault, is a form of Sexual Misconduct under this Procedure. Sexual Misconduct is any form of gender-based harassment, including, but not limited to, sexual harassment, sexual assault, and sexual exploitation, as well as harassment based on gender identity, gender expression, and non-conformity with gender stereotypes. Sexual misconduct may also include acts of a sexual nature, including acts of stalking, domestic violence, and dating violence, intimidation, or for retaliation following an incident where alleged Sexual Misconduct or has occurred. Sexual Misconduct can occur between strangers or acquaintances, or people who know each other well, including between people involved in an intimate or sexual relationship, can be committed by anyone regardless of gender identity and can occur between people of the same or different sex or gender.
- Serious Injury or Death. Any intentional, unintentional or reckless action or conduct which results in serious injury or death to a Member of the District Community or their family.
- Smoking. Smoking in an area where smoking has been prohibited by law or regulation of the District.
- Stalking. Stalking behavior in which a Student repeatedly engages in the course of conduct directed at another person and makes a credible threat with the intent to place that person in reasonable fear for his or her safety, or the safety of his or her family; where the threat is reasonably determined by the College Conduct Officer to create substantial emotional distress, torment, create fear, or to terrorize the person.
- Sexual Stalking. The course of conduct directed at a specific person that would cause a reasonable person to feel fear or suffer substantial emotional distress due to another's sexual interest or gender-based stalking. Stalking involves repeated and continued harassment of a sexual or gender-based nature, against the expressed consent of another individual, which causes the targeted individual to feel emotional distress, including fear or apprehension. Such stalking behaviors may include: pursuing or following; unwanted communication or contact—including face-to-face encounters, telephone calls, voice messages, electronic messages, web-based messages, text messages, unwanted gifts, etc.; trespassing; and surveillance or other types of observation.
- Theft or Abuse of District's Computers or Electronic Resources. Theft or abuse of District computers and other District electronic resources such as computer and electronic communications facilities, systems, and services. Abuses include (but are not limited to) unauthorized entry, use, transfer, or tampering with the communications of others, and interference with the work of others, and with the operation of a computer and electronic communications facilities, systems, and services. Theft or attempted theft of any kind, including seizing, receiving, or concealing property with knowledge that is has been stolen, is prohibited. Sale, possession, or misappropriation of any property or services without the owner's permission is also prohibited.
- Theft or Conversion of Property. Theft or conversion of District Property or services, or the property of any person or business on District Property or at a District function, or possession of any property when the Student had the knowledge or reasonably should have had knowledge that it was stolen.

- Trespass and Unauthorized Possession. Unauthorized or forcible trespass on, entry to, possession of, receipt of, or use of any District services, grounds, equipment, resources, properties, structures, vehicles, boats, water craft or facility, including the unauthorized use of District's name, insignia, or seal without permission or authorization.
- Unauthorized Recording. Recording any person on District Property or at any District function without that person's knowledge or consent. This definition shall not apply to recordings conducted in public, in a commonly recognized public forum.
- Unauthorized Use of Course or Copyrighted Materials. Students of the District will abide by all aspects of United States copyright law, Title 17 of the United States Code, to the extent possible, under the authoritative interpretation of the law. Students shall not reproduce copyrighted materials without prior permission of the copyright owner, except as allowed by the "fair use" doctrine. In addition, Students shall not sell, prepare, or distribute for any commercial purpose any course lecture notes or video or audio recordings of any course unless authorized by the District in advance and explicitly permitted by the course instructor in writing. The unauthorized sale or commercial distribution of course notes or recordings by a Student is a violation of these Policies whether or not it was the Student or someone else who prepared the notes or recordings. Copying for any commercial purpose handouts, readers or other course materials provided by an instructor as part of a District course unless authorized by the District in advance and explicitly permitted by the course instructor or the copyright holder in writing (if the instructor is not the copyright holder).
- Unauthorized Use of District Keys. Unauthorized use, distribution, duplication or possession of any keys issued for any building, laboratory, facility, room, or other District Property.
- Unauthorized Use of Electronic Devices. Unauthorized use of an electronic device on District property or at any District function, including but not limited to, classes, lectures, labs, and field trips.
- Unauthorized Use of Property or Services. Unauthorized use of property or services or unauthorized possession of District Property or the property of any other person or business.
- Unreasonable Demands. Placing repeated, hostile, or unreasonable demands on District staff.
- Unwelcome Conduct: conduct of a sexual, gender-based, or harassing nature, which is considered unwelcome if a person did not request or invite it, and considered the conduct to be unwelcome, undesirable, or offensive. Unwelcome conduct may take various forms, including name-calling, graphic or written statements (including the use of cell phones or the Internet), hazing, bullying, or other conduct that may be physically or psychologically threatening, harmful, or humiliating. Unwelcome conduct does not have to include intent to harm, or directed at a specific target, or involve repeated incidents. Unwelcome conduct can involve persons of the same or opposite sex.
- Violation of Driving Regulations. Driving unsafely on District property or while taking part in any District function, or repeated violation of District parking regulations.
- Violation of Health & Safety Regulations. Violation of any health, safety or related regulations, rule or ordinance on District property or at any District function.
- Violation of Law. Violation of any federal, state or local law on District property, at a District function or involving a member of the District Community.
- Violation of Posted District Rules. Violation of any rule or regulation posted on District property by the District or the College, or printed in any District publication.
- Violation of Published Computer/Network Usage Policy(s), Procedures, or Guidelines.
  - Accessing and/or without permission altering, damaging, deleting, destroying, or otherwise using any data, computer, computer system, or computer network belonging to or used by the District or any Member of the District Community.
  - Accessing and/or without permission taking, copying, or making use of any data from a computer, computer system, or computer network, or taking or copying any supporting documentation, whether existing or residing internal or external to a computer, computer system, or computer network belonging to or used by the District or any Member of the District Community.
  - Using or causing to be used District computer services without permission.
  - Accessing and/or without permission adding, altering, damaging, deleting, or destroying any data, computer software, or computer programs which reside or exist internal or external to a computer, computer systems, or computer network belonging to or used by the District or any Member of the District Community.
  - Disrupting or causing the disruption of computer services or denying or causing the denial of computer services to an authorized user of a computer, computer system, or computer network belonging to or used by the District or any Member of the District Community.
  - Providing or assisting in providing a means of accessing, without permission, a computer, computer, system, or computer network belonging to or used by the District or any Member of the District Community.
  - Accessing or causing to be accessed without authorization any computer, computer system, or computer network belonging to or used by the District or any Member of the District Community.
  - Introducing any computer contaminant or virus into any computer, computer system, or computer network belonging to or used by the District or any Member of the District Community.
  - Sending any message using any computer system or network without authorization or sending any message in the name of another person or entity.
  - Using any account or password without authorization.
  - Allowing or causing to be used an account number or password by any other person without authorization.
  - Accessing or causing to be accessed, downloading or causing to be downloaded, pornographic or obscene materials except when accessing a pornographic website which is part of the instructional process or assignment for a class the Student is currently enrolled in.
  - Use the District's systems or networks for commercial purposes; for example, by performing work for profit with District resources in a manner not authorized by the district.

SBCCD AP 5500

Disciplinary Action

Students enrolled in the San Bernardino Community College District shall refrain from disruptive conduct which significantly interferes with the instructional program, college activities, or which endangers the health or safety of members of the college, including visitors to the campus. Disruptive conduct on the part of students shall be cause for disciplinary action in accordance with policies adopted by the San Bernardino Community College District Board of Trustees and pursuant to

appropriate sections of the Education Code, the Business and Professions Code, the Health and Safety Code, and the Penal Code of California.

Types of Disciplinary Action

Disciplinary action may be imposed upon a student who is found responsible for violating the Standards of Conduct

Disciplinary action includes:

a. **Reprimand:** a verbal or written reprimand regarding the misconduct.
b. **Probation:** Student conduct probation may include, but is not limited to, ineligibility to participate in extra-curricular activities and certain other student privileges.
c. **Suspension:** Exclusion from the colleges and college-sponsored activities for a specified time.
d. **Expulsion:** Exclusion by the District Board of Trustees from the college and all college-sponsored activities.

Student Discipline Procedures

Section I

A. INTRODUCTION

This Administrative Procedure (AP 5520) is intended to effectively administer Board Policy 5500 and Administrative Procedure 5500 title "Standards of Student Conduct," and as such, this Administrative Procedure shall constitute the Standards of Student Discipline for all District Students. This Standards of Student Discipline provides District Students with prior notice of behavior deemed unacceptable by the District's Board of Trustees. This Standards of Student Conduct includes a defined process for the fair and impartial review and determination of alleged improper Student behavior. This Standards of Student Conduct also specifies the various sanctions that may be imposed on District Students for violations of this Standards of Student Conduct. Students are expected to be familiar with the terms of the San Bernardino Community College District's published Board Policy 5500 and this Administrative Procedure 5500 Standards of Student Conduct.

This Standards of Student Discipline provides for the orderly administration of the Standards of Student Conduct consistent with the principles of due process of law. Reasonable deviations from the Standards of Student Conduct will not invalidate a decision or proceeding.

This process does not supersede standards for specific programs which may have a have different process for program eligibility and retention e.g., Fire Academy, Police Academy, Nursing Program, etc.

The District/campus will strive to follow the timelines outlined in this Administrative Procedure barring unexpected delays or campus closures

B. THE USE OF "WILL" AND "SHALL"

In this Standards of Student Discipline, and throughout the District's Board Policies and Administrative Procedures, the use of the terms "will" and "shall" are used in the mandatory sense.

C. NOTICE - PROCESS FOR NOTIFICATION

San Bernardino Community College District's primary correspondence and notification mechanism with Students shall be through the Student's District assigned e-mail account. At the District's discretion, Students may be notified via U.S. mail, delivery in person, via SMS text message, by an alternate email on record from the Student, or by other authorized communication platforms. San Bernardino Community College District reserves the right to notify parents/legal guardians/emergency contacts when it determines that any Student, regardless of age, is in a situation that is threatening to their own health and safety, or that Student has placed another person in a situation that is threatening to their health and safety.

D. JURISDICTION

Pursuant to Board Policy 5500, the District's jurisdiction concerning alleged Standards of Student Conduct violations extends to the District, its colleges, and for all activities occurring on District property. This jurisdiction includes, but is not limited to, its main and satellite campuses, and to any non-District property used by the District or its colleges where District Students are present. This also applies to online courses/services and District sponsored/College sponsored programs, activities, and travel. This jurisdiction shall also apply to Student-to-Student or Student-to-employee off-campus conduct and/or actions, and electronic activity (such as e-mail, texting, telephone contact, social media), when the College Conduct Officer, or designee, determines that the off-campus conduct affects, disrupts, or interferes with the educational mission of the college. This Standards of Student Conduct also applies to off-campus conduct when the effects of the off-campus conduct create a Hostile Environment or impact a substantial District/College interest. A substantial District/College interest may include:

a. Any action that constitutes a criminal offense as defined by law. This includes, but is not limited to, a single or repeated violations of any local, state, or federal criminal statute or ordinance;
b. Any situation where it appears that a Student may present a danger or threat to the health or safety of themselves or others;
c. Any situation that significantly impinges upon the rights, property, or achievements of self or others, or that significantly breaches the peace or causes significant disruption; and
d. Any situation that is detrimental to the educational interest of the District/College. The Student Code of Conduct may apply to online activity and communication that occur outside of the District's/College's control when those online behaviors can be shown to create a Hostile Environment on campus or cause a substantial disruption

E. ANTI-DISCRIMINATION STATEMENT

The San Bernardino Community College District does not unlawfully discriminate based upon age, race, ethnicity, sexual orientation or preference, gender, national origin, veteran's status, gender identification, or genetic information in administering District educational policies and procedures. The District complies with the American Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973 and Title IX. See Board Policy 3410 Nondiscrimination.

F. PARALLEL STUDENT DISCIPLINE PROCEEDINGS

Student Discipline Code proceedings are administrative in nature and are independent from court or other administrative proceedings. Discipline may be instituted against a Student also charged in civil or criminal courts based on the same facts that constitute the alleged violation of the Standards of Student Conduct. The District may elect to proceed before, concurrently with, or after any judicial or other administrative proceedings.

G. PARALLEL TITLE IX INVESTIGATION PROCEEDINGS

The District's Title IX Policy and Procedure, BP/AP 3540 Sexual and Other Assaults on Campus, addressing the investigation of allegations of sexual misconduct incorporate the sanctions and general procedures set forth in this Standards of Student Conduct, but are not restricted by this Procedure. Title IX investigations and processes are independent from court or other administrative proceedings. Student discipline may be instituted against a Student also charged in civil or criminal courts based on the same facts that constitute the alleged violation of Title IX or other law applicable to

sexual misconduct. The District may elect to proceed before, concurrently with, or after any judicial or other proceedings.

Section II - Student Rights & Responsibilities

A. DUE PROCESS

Students are entitled to a fundamentally fair process, including reasonable notice of allegations of violations of the Standards of Student Conduct, the opportunity for the Student to be heard and to afford the Student the opportunity to present evidence prior to the administrative determination of the alleged violations. The District reserves the right to make immediate interim suspensions or restrictions when such actions are deemed necessary by the College Conduct Officer or designee pending an investigation and determination of the matter. Any sanction(s) imposed under the Standards of Student Conduct shall be appropriate to the nature of the violation(s). See Section III below.

B. STUDENT RIGHTS

- To be treated with respect by District officials
- To take advantage of campus support resources, such as Counseling, Special Services, Health Services, and other available resources.
- To experience a safe educational environment.
- To not be subjected to retaliation for reporting violations.
- To have complaints heard in substantial accordance with established procedures.
- To fully participate in any process whether the injured individual is serving as the Complainant or the institution is serving as Complainant.
- A complainant may and Respondent shall be informed in writing of the outcome/resolution, any sanctions imposed, and the rationale for the outcome, to the extent permissible under applicable law and Board Policies.

C. SPECIAL REQUESTS/ACCOMMODATIONS - STUDENTS WITH DISABILITIES

Any special requests and/or accommodations by any Party (for example, sign language, the use of assistive technology, service animals, and other accommodations approved by the Office of Disabled Student Programs & Services) must be made at least five (5) calendar days prior to the Administrative Conference. Special requests and accommodations shall also be applicable to Appeal Hearings as set forth in Section 4.2 of this Standards of Student Discipline.

D. ROLE OF LEGAL COUNSEL

An attorney licensed to practice in California may accompany the Student to the hearing. The attorney's role is to provide counsel to the Student without disruption to the hearing process.

The attorney may not make any statements or presentations to the College Conduct Officer, Hearing Panel, or Appeal Committee, examine or cross-examine any witnesses, or present evidence or any written material to the College Conduct Officer or Hearing Panel or Appeal Committee set forth in Section 4.4. The attorney may not, in any way, disrupt or interfere with the hearing process. Any violation of this section shall result in the removal of the attorney. The attorney shall provide the College Conduct Office with a retention letter confirming that they have been retained by the Student at least seven (7) calendar days before the hearing so that the necessary arrangements can be made for a District attorney to be present at the hearing. The attorney's retention letter shall include the attorney's State Bar number and a telephone number. The requirements of this section shall also be applicable to Appeal Hearings as set forth in Section 4.2 of this Standards of Student Discipline.

E. STUDENT RIGHT TO REVIEW RECORDS

Students seeking to review records relating to their investigation or to the outcome should refer to San Bernardino Community College District Board Policy 5040 Student Records Directory Information and Privacy. The District is not obligated to provide copies of student records unless not doing so would prevent the student from their right to inspect the record in question.

F. RECORDING AND PRESENTING WITNESSES

Audio/Video Recordings – No audio, video or other recording of any investigation, interview, or meeting is permitted by the student. The student has the right to audio record hearings at their own expense.

Witness Rules and Limitations – only witnesses presenting relevant testimony or information directly related to the alleged violations are permitted. Witness statements relating to the alleged violations may be accepted by the College Conduct Officer at their sole discretion if such statements are deemed to be material and relevant to the proceeding.

The College Conduct Officer or designee shall be responsible for contacting witnesses for all meetings other than the appeal hearing, subject to the Student notifying the college no less than five (5) calendar days prior to the proceeding. The College Conduct Officer reserves the right to exclude redundant testimony from witnesses, or redundancy in witnesses.

G. CONFIDENTIALITY

Any information provided to District employees may be shared with other District employees, law enforcement, or other parties, consistent with law, and only on a "need to know" basis. District employees shall endeavor to honor any Complainant or victim's request for confidentiality; however, confidentiality cannot always be assured. The District may weigh requests for confidentiality against its duty to provide a safe and nondiscriminatory environment for all members of the District Community.

Investigative or hearing proceedings are considered private and confidential so as to protect the Parties involved. Hearings or meetings shall not be conducted in public, and are not open to the public. The Parties involved are expected to maintain the privacy of the proceedings.

Section III - Student Discipline Process

A. FACULTY INITIATED REMOVAL

Prior to removal, the faculty member is responsible to identify the behavior and inform the student that failure to correct the issue may result in removal from the class. If the behavior persists, the faculty member may remove, for good cause, any student from their class for up to two (2) class sessions. The student shall not return to the class during the period of the removal without permission of the instructor. Nothing herein will prevent the college president or designee from recommending further discipline in accordance with these procedures based on facts that led to the removal. As used in this rule, "good cause" includes those offenses listed in the Student Code of Conduct. In instances of online courses, students access to course content will be removed for a period of time comparable to two class sessions.

B. COMPLAINT FILED/INCIDENT REPORTED

San Bernardino Community College District, through its College Conduct Officers, will investigate all reports of alleged violations of the Standards of Student Conduct. Anyone who believes a section of the Code of Conduct has been violated should contact any College Conduct Officers identified at each District campus. Reports of allegations are entered into a District-wide system where it is assigned to the appropriate College Conduct Officers.

C. NOTICE TO STUDENT

In all cases, the College Conduct Officer, or designee, will provide notice to the Parties, providing them with the following information, pursuant to Section 1.3:

- A description of the alleged violation(s).
- A description of the applicable policies.
- A statement of the potential sanctions/responsive actions that could result.
- A required date and time, for the Student, to contact the College Conduct Officer within seven (7) calendar days from the date of initial notification to schedule a hearing/meeting, superseding all other campus and work activities. The Student's failure to contact the College Conduct Officer within this seven (7) calendar day period shall constitute the Student's waiver of their ability to provide a response to the alleged violation(s), and the proceeding shall take place as if the Student has not responded.

D. INTERIM ACTIONS: Interim actions are those temporary sanctions deemed necessary by the College Conduct Officer to protect the safety and security of the District Community pending an investigation into the alleged violations of the Standards of Student Conduct.

a. The College Conduct Officer may take any interim actions deemed necessary to:
   - Protect the District Community from potential threats to health and safety;
   - Protect any particular member of the community;
   - Protect against the risk of substantial disruption to the normal operations of the campus.
b. The College Conduct Officer or designee will inform the Respondent involved of any interim action/restrictions implemented against them pending investigation.
c. Interim Action/Restrictions are effective immediately. There shall be no request to delay the imposition of interim actions. These actions may include:
   i. Interim Suspension – A Student who is suspended on an interim basis is subject to all of the same restrictions as if they had been suspended as a final sanction. The College Conduct Officer, or designee, may impose an interim restriction of up to fourteen (14) calendar days following notice from the College Conduct Officer.
   ii. Interim Restriction – These restrictions may include, but are not limited to:
      - Any other restrictions deemed by the College Conduct Officer or designee necessary to achieve the goals stated above.
      - No-contact orders with specific individuals;
      - District events;
      - Restricted access to District facilities;
   iii. The College Conduct Officer, or designee, may impose an interim restriction of up to fourteen (14) calendar days following notice from the College Conduct Officer.
d. Interim Suspensions and Request to Stay. Upon notice of an Interim Suspension by the College Conduct Officer, Title IX Coordinator, or designee, the Student has five (5) calendar days (from the date of the notice) to submit reason(s) for a Request to Stay to the Vice President of Student Services or their designee. The Vice President of Student Services or their designee will render a decision on providing a stay, with or without modifications to the Student's request. The Vice President of Student Services or their designee will provide the Student with a decision within three (3) calendar days of the received Request to Stay. The Interim Suspension remains in effect until a decision from the Vice President of Student Services or designee is rendered

E. INVESTIGATION PROCESS:

The College Conduct Officer will conduct interviews to determine the accuracy of statements or other evidence.

The College Conduct Officer's primary communication to all Parties involved in the investigation shall be through District assigned email addresses, with supplemental forms of communication used as needed as referenced in section 1.3 above.

The College Conduct Officer will investigate each complaint submitted to determine whether it is appropriate to charge a Student with a violation of the Student Conduct Code.

Investigations should generally result in resolution within sixty (60) calendar days after a complaint has been made, barring unexpected delays or campus closures. If circumstances warrant, the College Conduct Officer will provide notice to the Student(s) of any delays or extensions necessary to complete any investigation.

Investigations may comprise of an interview with the reporting Party(s), person(s) alleged to have violated the policy(s), witnesses, and other persons having knowledge.

The College Conduct Officer shall make reasonable efforts to give the Student(s) an opportunity to rebut the accusation or otherwise provide relevant information to the College Conduct Officer or designee regarding the incident(s) which led to the belief by the College Conduct Officer or designee that the Student violated the Standards of Student Conduct in an Administrative Conference.

Should a Student fail to appear for any meeting, that Student may be considered as having waived their right to be present for the meeting and, the investigation may proceed without the Student's input.

F. FINDINGS AND DETERMINATION: Conferences/Hearings for possible violations that occur near or after the academic terms will be held as soon as is practicable, to try to meet the resolution timeline followed by the District. The College Conduct Officer has the discretion to elect any of the following methods for resolution:

- Administrative Resolution – The Respondent admits to the allegations and accepts the recommended sanctions of the College Conduct Officer or designee.
- Formal Finding by the College Conduct Officer – The College Conduct Officer, after completing an investigation, which includes an opportunity for the Respondent's due process, makes a finding and, if appropriate, issues sanctions.
- Formal Finding with Hearing Panel – The College Conduct Officer may elect, at their sole discretion, to refer the findings from their investigation, which includes the Respondent's due process, to a Hearing Panel for recommendation. The Hearing Panel is a panel convened to weigh the evidence presented following an investigation into alleged violations of the Standards of Student Conduct. The Hearing Panel shall be formed pursuant to Section 4.4 herein.

G. TYPES OF FINDINGS AFTER INVESTIGATION:

a. Not Responsible – In these cases, College Conduct Officer or designee has determined that insufficient evidence exists, by the Preponderance

of Evidence standard, for a finding of Responsible for the alleged violation(s). The case is closed, and a record is retained.

b. Responsible – The College Conduct Officer or designee determines that sufficient evidence exists, by the Preponderance of Evidence standard, for a finding that the Respondent is Responsible for the alleged violation(s). This determination may also be rendered through the Administrative Resolution, where the Respondent has admitted culpability for the alleged violation(s). The College Conduct Officer may close the case.

After the investigation, meetings, and/or hearing, and considering all information relevant to the issue, the College Conduct Officer, or Hearing Chair and their Panel shall then decide whether or not to impose sanctions.

The College Conduct Officer will notify the Student charged with violations of the decision of the College Conduct Officer or Hearing Panel, and of any sanctions imposed. Such Notice shall be in writing from the College Conduct Officer and communicated to the Student pursuant the notice requirements set forth in Section 1.3.

H. IMPOSING SANCTIONS:

If a Student is found Responsible, sanctions will be imposed by the College Conduct Officer, as they deem reasonable and appropriate, pursuant to the available sanctions set forth in Appendix C. The Respondent may elect to appeal the findings and sanctions subject to the limitations for grounds for appeal set forth herein.

I. STANDARD OF PROOF FOR FINDINGS:

In all cases involving alleged violations of the Standards of Student Conduct, the standard of proof for determining whether a Respondent is Not Responsible or Responsible is the Preponderance of Evidence standard (e.g., more likely than not), as defined in Appendix A herein.

Section IV - Appeal Process and Grounds for Appeal

An appeal is not intended to be a full review of the allegation(s) and reweighing of the evidence. There is a presumption that the College Conduct Officer has weighed all information following the investigation, and has reached the appropriate determination regarding the finding of Responsibility or Non-Responsibility. Students may appeal determinations or appealable sanctions only once based solely upon any of the following grounds for appeal:

- Excessive sanctions in relation to the violation(s) the Respondent was found Responsible for committing.
- A substantive procedural error which materially and significantly affected the weighing of evidence by the College Conduct Officer.
- New evidence has become available which is sufficient to alter the decision, and which the student was not aware of or could not have been reasonably obtained at the time of the initial review.

The Student must request an appeal in writing by e-mail, U.S. Mail, or by personal delivery of correspondence to the College Conduct Officer's office within seven (7) calendar days of notification of the outcome of the finding and sanctions. The Student must specifically identify which of the above-bulleted grounds their appeal is based on. Student failure to specify the basis for appeal with detailed information shall constitute the dismissal of the appeal without further proceedings.

Any request for an appeal that is not received within seven (7) calendar days of notification of the outcome/determination shall be deemed untimely and shall constitute a waiver of the Student's right to an appeal.

In all cases, the College Conduct Officer, or designee, will send a notice, pursuant to Section 1.3, to the Parties with the following information:

- A description of the violation(s), a description of the provisions of the Standards of Student Conduct determined to have been violated, and a statement of the sanctions/responsive actions.
- A required date, time, and location of the hearing superseding in priority all other campus and work activities. If a Party does not appear at the scheduled hearing, the hearing will be held in their absence. For compelling reasons, the College Conduct Officer, or designee, may reschedule the hearing; proof may be asked by the College Conduct Officer. Appeal hearings that occur near or after the academic terms will be held as soon as practicable to meet the resolution timeline generally followed by the District. If deemed appropriate by the College Conduct Officer, or designee, interim actions/restrictions and other stipulations that ensure the safety and/or well-being of the campus community will be administered or maintained.
    - The College Conduct Officer, or designee, shall use reasonable efforts to schedule the appeal hearing promptly, generally no sooner than fourteen (14) calendar days after, and not later than thirty (30) calendar days after, the date of the submitted written request for appeal. However, the scheduling of an appeal hearing may be delayed due to events beyond the College Conduct Officer's control. In such circumstances, the College Conduct Officer shall schedule the appeal hearing as promptly as is reasonably possible.
    - The notice of hearing may be amended by the College Conduct Officer at any time, and the College Conduct Officer, or designee, may (but is not required
      to) postpone the appeal hearing for a reasonable period of time.

A. ROLE OF ADVISORS AND LEGAL COUNSEL DURING APPEAL

Student discipline proceedings are not formal court proceedings, but instead, are administrative proceedings conducted by the District. Although District-related sanctions may be imposed, the process is intended to provide an opportunity for learning and to promote a safe educational environment.

If the Student wishes to have an advisor accompany them to the hearing, the Student must provide the College Conduct Office with the name of the individual they have chosen to act as their appeal advisor no less than seven (7) calendar days prior to the appeal hearing. Advisors must maintain confidentiality and will not be permitted to participate or respond on behalf of the Student during the hearing.

If the Student chooses to have their attorney accompany them to the hearing, the name, address and telephone number of the Student's attorney must be submitted to the College Conduct Office no later than seven (7) calendar days prior to the hearing. In addition, no later than seven (7) calendar days prior to the hearing, the Student's attorney must deliver a retention letter, including their State Bar number and telephone number, to the College Conduct Office.

B. THE APPEAL HEARING

Appeal hearings are closed to all persons except:

- College Conduct Officer, or designee;
- The Student Hearing Appeal Chair;
- The Student Hearing Appeal Panel;

- Student;
- Advisor;
- an attorney, retained by the District or a Student;
- a court-certified interpreter paid for at the Student's own expense;
- selected members of the Student Hearing Appeal Panel when their determination of findings is at issue ; and
- any person needed to assist the hearing officer.
- In some cases, a campus security/police officer may be present to ensure safety and security during the hearing.
- Witnesses, but not for the duration of the hearing.

C. STANDARD OF PROOF FOR AN APPEAL

In all cases involving appeal, the burden of proof is on the Student to establish, to the standard of Clear and Convincing Evidence (as defined herein), that the College Conduct Officer's determination following investigation was erroneous due to any of the following:

- Excessive sanctions in relation to the violation(s) the Respondent was found Responsible for committing.
- A substantive procedural error which materially and significantly affected the weighing of evidence by the College Conduct Officer.
- New evidence has become available which is sufficient to alter the decision, and which the student was not aware of or could not have been reasonably obtained at the time of the initial review.

D. APPEAL HEARING PROCEDURES

Evidence—The Appeal Hearing need not be conducted according to technical rules relating to evidence and witnesses. Only relevant and material evidence shall be presented to and considered by the Hearing Appeal Committee. Irrelevant, immaterial, and/or unduly repetitious evidence shall be excluded. No evidence other than that received and weighed at the initial determination of findings shall be considered by the Hearing Appeal Committee. This limitation on admissible evidence shall not exclude the Student from presenting relevant, material evidence excluded by the College Conduct Officer at the initial hearing. The determination of relevancy or the material nature of the Student's offered evidence shall be made by the Hearing Appeal Committee.

a. At the beginning of each school year, each college president or designee shall establish a standing panel from which one or more Hearing Appeal Committees may be appointed. The panel shall be made up of:
   i. A minimum of five (5) faculty members whose names are obtained from the Academic Senate.
   ii. A minimum of five (5) students whose names are obtained from the Student Senate.
   iii. A minimum of five (5) administrators/supervisors appointed by the College President or designee.
b. The College President or designee will appoint from the panel listed above a Hearing Appeal Committee consisting of a maximum of:
   - Two faculty members
   - Two students
   - One administrator/manager
   - A committee chair
c. The Hearing
   i. The Chair will call the hearing to order, explain the procedures of the hearing, and have all Parties introduce themselves. Should an advisor be present, they may not make a presentation or represent the Respondent or the Complainant during the hearing. The Parties to the hearing are expected to ask and respond to questions on their own behalf, without representation of their advisors. The advisor may not speak on behalf of the Student to the College Conduct Officer or to the Hearing Appeal Committee hearing the case.
   ii. The Chair will present the rules governing the hearing. The Chair shall guarantee control of the hearing, making certain that all participants respect the right of others to make statements, and ensure confidentiality of such statements.
   iii. The College Conduct Officer, and if applicable their witness(es), shall have up to thirty (30) minutes total, if necessary, to present relevant evidence to support the determination that violation(s) of the Standards of Student Conduct has occurred.
   iv. The Student charged may question any witnesses presented by the College Conduct Officer. Members of the Hearing Appeal Committee may also question any witness presented by the College Conduct Officer. Questioning by the Student or the Hearing Appeal Committee shall not be considered part of the time allotted for presentation of the College Conduct Officer's evidence. Total witness questioning by the College Conduct Officer and the Student shall not exceed a total of thirty (30) minutes of witness testimony for each side. It is within the discretion of the Hearing Appeal Committee Chair to impose a timeline on questioning or to add additional time if warranted.
   v. The Student charged, and if applicable their witness(es), shall have up to thirty (30) minutes in total time, if necessary, to present relevant evidence demonstrating the basis for why College Conduct Officer's decision should be overturned. The College Conduct Officer may question any witnesses presented by the Student. Members of the Hearing Appeal Committee may also question witnesses. Questioning by the Hearing Appeal Committee shall not be considered part of the time allotted for presentation of the Student's evidence. Witness(es) shall provide testimony only on an individual basis, outside of the presence of other witness(es). It is within the discretion of the Hearing Appeal Committee Chair to impose a timeline on questioning or to add additional time if warranted.
   vi. The College Conduct Officer, and then the Student appealing, may each make a closing statement to the Hearing Appeal Committee. These closing statements shall be limited to a maximum of three (3) minutes each. The Hearing Appeal Committee Chair shall have the authority to extend the time limits if deemed necessary.
   vii. Once all information has been collected, the Chair, or designee, will:
      - Reiterate the alleged policy violation(s);
      - Remind all Parties and participants involved of the Standard of Proof (Clear and Convincing), as further defined in Appendix A.
      - Remind all parties and participants of confidentiality and of all imposed sanctions that are active and must be adhered to;
      - Remind all Parties and participants to review the San Bernardino Community College District's Standards of Student Conduct Board Policy 5500, Administrative Procedures 5500 and 5520, and to understand their Student rights and responsibilities;
      - Inform all Parties and participants of the deliberation process and the projected timeline for notification; and
      - Remind the Student charged and the Complainant, if applicable, that notification and all communication will be via District email accounts.

Following the Hearing Appeal Committee Chair's closing statements, all persons will be dismissed from the hearing except for the Committee Chair and the members of the Hearing Appeal Committee for deliberation.

E. FAILURE TO APPEAR

A Student who fails to appear before the Hearing Appeal Committee after having been notified of an appeal hearing is deemed to have waived their rights to participate in the appeal. The appeal hearing shall be terminated, and the Hearing Appeal Committee shall be dismissed. Initial sanctions will take effect immediately.

F. DELIBERATION AND DECISION

a. The Hearing Appeal Committee shall make its findings for the appeal hearing based on the Clear and Convincing Evidence standard, as further defined in Appendix A, which demonstrates whether or not the College Conduct Officer:
   i. Issued disproportionate or excessive sanctions in relation to the violation(s) the Respondent was found Responsible for committing.
   ii. Demonstrated unlawful discrimination during the determination of Responsibility, and/or,
   iii. Made a substantive procedural error which materially and significantly affected the weighing of evidence.
b. Following the presentation of evidence, the Hearing Appeal Committee shall privately consider the evidence and shall prepare a written report of its findings and deliver it to the College Conduct Officer, which shall ordinarily be submitted within seven (7) calendar days of the date of the appeal hearing. This report shall include the following:
   i. A brief summary of the facts as found by the Hearing Appeal Committee, and a determination of evidence indicating whether the College Conduct Officer's findings should or should not be overturned;
   ii. A finding indicating the appropriateness of the disciplinary sanction imposed on the Student by the College Conduct Officer. This finding may state:
      - A finding that the Student is Responsible and that the disciplinary action proposed is appropriate; or
      - A finding that the Student is Responsible, but that the disciplinary action imposed by the College Conduct Officer was excessive to the violation, and as such, a recommendation be made for a lessened sanction;
      - A finding that the College Conduct Officer committed a substantive procedural error during the investigation or finding which would unduly taint the legitimacy of the finding of Responsibility, resulting in the finding to be set aside.
c. The report of the Hearing Appeal Committee shall be sent by the Hearing Appeal Committee Chair to the Respondent. If the Committee has made a finding evidencing substantive procedural error, the Committee shall provide a copy of the report to the Vice President of Student Services. The College Conduct Office shall copy the Vice President of Student Services on written notification to the Student(s) involved.
d. No finding by the Hearing Appeal Committee recommending the setting aside of a finding of Responsibility due to procedural error by the College Conduct Officer shall act as a bar to a subsequent investigation by another College Conduct Officer from within the District of the underlying facts and evidence of the matter appealed and making a finding and determination of Responsibility.

G. RECOMMENDATION FOR EXPULSION

If, after hearing, the Hearing Appeal Committee recommends expulsion to the College President, the College President shall deliver a written recommendation for the Student's expulsion to the Chancellor. A copy of the President's recommendation shall be provided to the Student, or if the Student is a dependent minor to their parent or guardian, by the Office of the President.

The College President's recommendation for expulsion shall contain a statement of the charges against the Student that provides the basis for their request that the Student be expelled, including a factual description of the conduct upon which the charges are based, and the action(s) taken by the Hearing Appeal Committee.

H. REVIEW BY THE CHANCELLOR

a. The Student may appeal the College President's recommendation for expulsion, but not for other sanctions, by submitting a letter of appeal via personal delivery, delivery by a professional process server, or by certified mail to the Chancellor's office within ten (10) calendar days of their receipt of the College President's recommendation for expulsion. It is the student's responsibility to ensure the letter of appeal is delivered.
b. The letter of appeal to the Chancellor shall state the reasons why the Student should not be expelled and shall not exceed fifteen (15) pages in length. The Student or any representative of the student does not have the right to meet personally with the Chancellor under this procedure.
   i. Chancellor's Recommendation to the Board. If the Chancellor has decided to recommend the Student's expulsion, they shall cause to be placed on a Board agenda for action at the next board meeting, their recommendation that the Student be expelled. Minor deviations in the timeline for placement of the Chancellor's recommendation on the Board agenda shall be permitted. The Chancellor shall notify the Student or the Student's parent or guardian if the Student is a dependent minor of their decision to seek expulsion. The Chancellor's notice shall be in writing, setting forth the Board meeting date, time, and location where the Board will consider the recommended expulsion.
   ii. Appeal to the Board of Trustees. The Student may submit a Letter of Opposition to Expulsion to the Board of Trustees, through the Chancellors Office, via personal delivery, delivery by a professional process server, or by certified mail setting forth the Student's basis for opposition to the recommended expulsion. The Student's letter must be received no less than seven (7) calendar days prior to the scheduled Board meeting date.
c. The Student's Letter of Opposition shall not exceed ten (10) pages in length, explaining to the Board why they should not be expelled. The Student may attach to their letter any documents they wish the Board to consider.
d. The Chancellor shall submit the following documents to the Board prior to the Board acting on their recommendation for expulsion:
   i. A copy of the correspondence provided to the Student informing the Student of the alleged violations of the Standards of Student Conduct;
   ii. A copy of the investigative findings of the College Conduct Officer, including any relevant evidence collected and assessed.
   iii. A copy of the report, if any, of the Hearing Appeal Committee;
   iv. A copy of the President's recommendation for expulsion;
   v. A copy of any letters or documents submitted by the Student; and

vi. The Chancellor's recommendation regarding expulsion of the Student.

e. The Board's Decision Regarding Expulsion
The Board's decision shall be final and shall end the Student's appeal process relating to expulsion.

f. Notification to College Conduct Officer
The Executive Assistant to the Chancellor's Office shall notify the College Conduct Officer in writing of the Board's decision regarding the Student's expulsion and shall provide the College Conduct Officer with a copy of the meeting minutes evidencing the Board's action.

g. Notification to Student
The Chancellor's Office shall notify the Student in writing of the Board's decision regarding their status as a Student in the District

I. READMISSION AFTER A SUSPENSION

- The following procedures shall apply to a Student's request for readmission.
- A Student who has been suspended is eligible to apply for readmission if:
  - The term of the Student's long term suspension will expire within thirty (30) calendar days.
  - The Student has complied with all the terms and conditions of their suspension; and
  - During the course of the Student's suspension, the Student has not engaged in any behavior or activity that would be cause for discipline under the Standards of Student Conduct if the individual were a District Student.

a. Procedure for Re-admission Following Long-Term Suspension

- The Student seeking readmission must make a written request for readmission to the College Conduct Office.
- The College Conduct Officer may request a meeting with the Student seeking readmission to ascertain their eligibility for readmission.
- Ordinarily, within thirty (30) calendar days of the date of their receipt of a written request for readmission, the College Conduct Officer shall decide whether the request should be granted or denied.
- The College Conduct Officer shall notify the Student of their decision in writing and shall, in case of denial, include the reasons for such denial.
- A Student, whose application for readmission has been denied, may not apply for readmission until the next registration cycle after denial of their application.

SBCCD Administrative Procedure 5520

Student Complaints

Students are encouraged to resolve differences and disagreements at the appropriate level of the dispute. However, should this initial approach be inappropriate, students may submit a written complaint at valleycollege.edu/reporting. Once received, the complaint will be forwarded to the appropriate college official for review, and the complaint will receive a response as soon as possible.

Student Grievance and Due Process

It is the stated policy of the Board of Trustees of the San Bernardino Community College District that, "the relationship between students and college personnel is of vital importance to the learning process." With this principle comes the recognition that there may be many divergent viewpoints and that a process by which these viewpoints can be aired and resolved must be established.

Cause and Filing

Student grievance proceedings may be initiated against a District employee or another student for any of the following reasons:

- Any act or threat of intimidation;
- Any act or threat of physical aggression;
- Any arbitrary action or imposition of sanctions without a proper regard to due process as specified in college procedures.

Notice:

a. Grades are not grievable (see **notation** at end of policy);
b. Sexual Harassment complaints are filed in accordance with Board Regulation 3430 and are not covered under Student Grievances;
c. Discrimination complaints are filed in accordance with Board Regulation 3430 and are not covered under Student Grievances.

Who to File a Grievance With?

A student may submit a grievance to any manager or employee in any area for delivery to the Vice President of Student Services who will assess which manager or vice president is to oversee the grievance process.

Student grievances should be filed with the appropriate college administrator for resolution. Examples are:

- Classroom or teacher-related issues should be submitted to the Vice President of Instruction, or designee;
- Student service or counseling-related issues should be submitted to the Vice President of Student Services, or designee;
- Building, grounds, cashiering, mailroom, switchboard, food services or police-related issues should be submitted to the Vice President of Administrative Services, or designee.

Time for Filing a Grievance Notice

The appropriate vice president, district manager, or designee will accept a formal written student grievance when submitted within 180 calendar days of the event's occurrence and under the provisions specified. A grievance may be denied if the events occurred more than 180 calendar days prior to the date in which the grievance was filed in writing.

Student Status for Filing a Grievance

Only registered students may file a student grievance. Non-student grievances may be considered by the designated vice president or manager if the grievance is a result of a dispute arising out of the registration or enrollment process and the grievance is filed within thirty calendar days of the alleged incident.

Group Grievance

If more than one student files a grievance against an individual on the same issue or situation, members of the group shall select one person to serve as spokesperson/representative for the entire group.

Informal Student Complaint Resolution Process (Non-Written)

Step 1: Every effort shall be made to resolve a student complaint at the lowest level possible. A student must first attempt to resolve the issue directly. If this is not practical or possible, or due to the nature of the problem, or failing a resolution the grievance progresses to Step 2.

Step 2: A student who is not satisfied with the Step 1 outcome may next attempt to resolve the alleged problem by conferring with the immediate supervisor of the employee with whom the initial conference was held. If the grievance is alleged against another student, Step 2 would be taken to the Disciplinary Officer. Upon such a request, the administrator shall inform and confer with any employee or student named by the student. In turn, the administrator shall schedule a meeting with the grievant and if requested, all involved parties, not more than ten (10) school days from the date of the initial request.

Formal Procedures

If the alleged problem is not resolved at the Informal Level, the student may request a formal hearing in writing with the appropriate vice president or designee. This written notice shall state the conditions, practice, alleged act, or injustice that is being grieved, the date(s) of the alleged occurrence and should, if possible, include a proposed remedy or resolution to the problem.

Step 1: Within three (3) working days of receipt of the written student grievance notice, the appropriate Vice President or designee shall determine if the allegations were filed in a timely manner and meet the criteria outlined. If the student grievance notice fails to meet the above criterion, the Vice President shall notify the student of this determination and the grievance shall be terminated. If the student grievance notice is not terminated, the Vice President shall appoint a Student Grievance Hearing Committee within five (5) working days.

Step 2: Any employee who has conferred with a student who requests a hearing shall prepare a written account of the discussion, which shall be forwarded, to the appropriate Vice President or designee.

Step 3: The student and any college personnel or student involved in the allegations shall be notified of a hearing and the time and place of the hearing in writing. The notice shall include the names of the Hearing Committee and all documentation relating to the allegation(s).

Step 4: The Hearing Committee shall consist of either a maximum of two faculty or two classified staff members, based on the nature of the classification of staff involved, two students, and one administrator to hear the grievance. The administrator where the issue relates shall serve as chairperson of the hearing committee.

Hearing Procedures

a. The hearing shall convene within ten (10) working days of the receipt of the student grievance notice unless mutually agreed upon for a delay.
b. The hearing shall be closed unless the District employee or student against whom the grievance is brought requests that it be open.
c. The following persons should be present:
   - The Hearing Committee
   - The student grievant and non-legal representative/advocate if any
   - The college employee or student against whom the grievance is brought and a representative of the appropriate bargaining unit, if any
   - Witnesses, while presenting testimony.
d. Both parties shall notify the appropriate Vice President or designee, in writing within three (3) working days of the hearing if he/she will be accompanied by a representative/advocate. Such notification shall include the name and title of the representative. The Committee Chairperson shall be obligated to immediately notify the parties directly involved.
e. Although minutes will be taken at the hearing to provide a written record, if all parties agree the hearing may also be tape-recorded.
f. All participants in a hearing shall be advised by the Committee Chairperson that the proceedings are confidential.
g. Witnesses shall not be required to testify under oath; however, witnesses shall be advised that false testimony will constitute grounds for college disciplinary action.
h. The proceedings will not be bound by formal rules of evidence nor trial-like procedures. Rather, the procedures will be those upon which reasonable persons would rely in the conduct of serious affairs. The Committee Chairperson shall rule on all procedural issues. If substantive or procedural issues arise during the hearing that require external assistance for resolution, the Hearing Committee Chairperson should recess the hearing and submit the issue to the college president for resolution.
i. Evidence and/or testimony, which may be irrelevant or unduly repetitious, may be so noted by the Committee Chairperson.
j. The burden of proof to sustain a grievance rests with the student.
k. If the grievant fails to appear at the time and place scheduled for the hearing, and fails to notify the committee of the circumstances the grievance will be considered to have been withdrawn and procedures will be terminated. Depending on the nature of the circumstances, the committee shall determine if the hearing should be rescheduled within a reasonable time period. It is recommended that the defendant participate in the hearing.
l. Upon conclusion of the hearing, within five (5) working days, the Committee Chairperson shall submit to the Vice President a written report. The report shall include:
   - A brief summary of evidence submitted;
   - A finding of facts, supported by a preponderance of the evidence;
   - A recommendation that the grievance be sustained or denied; and
   - In the event the recommendation is to sustain the grievance, a recommendation of appropriate corrective action.
m. Upon review of the Hearing Committee's report, the Vice President or designee shall make a final determination.

Notification

Within five (5) working days following receipt of the report of the Hearing Committee chairperson, the Vice President or designee shall provide a written notification to the student/s and to the employee/s directly involved in the issues as to the final determination.

Appeal to President

If either the complainant or accused is not satisfied with the final college-level disposition of the grievance, the party may, within ten (10) working days, appeal the decision to the College President. The basis of appeals are:

- All parties shall be notified by the President of the appeal.
- The President shall provide written notification to the student and to other parties directly involved in the issues as to his/her recommendation within five (5) working days.

Appeal to the Chancellor

If either party is not satisfied with the final college-level disposition of the grievance, he/she may, within ten (10) working days, appeal (state the basis of the appeal again) the decision to the Board of Trustees through the District Chancellor. All parties shall be notified by the Chancellor of the appeal. The Chancellor shall report the grievance in closed session to the Board of Trustees for final determination. The Chancellor shall provide written notification to the student and to other parties directly involved in

the issues as to his/her recommendation within five (5) working days. The determination of the Board of Trustees is final.

General Provisions

a. The time limits specified in this procedure may be shortened or extended if there is mutual written concurrence between the parties.
b. At any step of the grievance procedure, the college President may designate a substitute for the designated college officials.
c. Failure of the student grievant to appeal a grievance determination at any step to another step within the specified time limits shall be deemed as acceptance of the last determination rendered.
d. It is the intent of this policy that the confidentiality of the discussions, including any documents or written records, be maintained by the participants.
e. It will not be mandatory for any staff member to attend the student grievance meetings nor will the student grievance procedure supersede staff member's contractual rights.

Grade Appeal Process

Any student complaint about a grade should first be made to the instructor involved. All attempts should be made to resolve the grade dispute at the lowest level. (Please see Student Complaints section for additional information).

By law, the instructor is solely responsible for the grades assigned in courses; no instructor may be directed to change a grade except in cases of mistake, fraud, bad faith, or incompetence as authorized by the California Education Code, Section 76224 (a).

To appeal a grade, the student must provide evidence that the instructor issued a grade in:

a. Mistake – unintentional error on part of the instructor
b. Fraud – intentional misrepresentation of any or all facts, which lead to a negative outcome
c. Bad faith – any other intentional act of the instructor, which negatively impacts the grade of the student
d. Incompetency – there is evidence that the instructor does not have the knowledge, skills, and/or abilities to conduct and fairly grade the course. Incompetence is usually pervasive, and not restricted to one student or one incident.

Grade appeals with supporting documentation must be submitted with the Student Grade Appeal form to the Director of Admissions and Records. The student must provide evidence that one of the four conditions listed above (mistake, fraud, bad faith, or incompetency) resulted in the assignment of the grade in question. The burden of proof in this process lies with the student. The Director of Admissions and Records, in consultation with the Vice President of Instruction, will make a thorough review of the grade appeals documentation provided by the student within 30 working days. If warranted, the student's appeal will be forwarded to a hearing committee for review.

Student Success and Support Program (SSSP)

Student Success and Support Program is a process designed to assist students in accomplishing their educational goals. The process brings the college and the student into an agreement for the purpose of realizing the student's educational goal. The primary purpose of SSSP is student success.

The college agrees to provide:

- Admissions application process.
- Orientation to the college's programs and services,
- Assessment of the student's study skills, English language proficiency, computational skills, goals, career aspirations, academic performance, and need for special services,
- Counseling and advisement to develop a Student Education Plan (SEP) and follow-up evaluation of each student's progress in achieving an educational goal.

The student agrees to:

- Express at least a broad educational intent upon admission,
- Declare an educational goal by the time the student has completed 15 units,
- Attend class,
- Work diligently to complete course assignments,
- Demonstrate an effort to attain an educational goal,
- Meet with a counselor to develop a Student Education Plan (SEP) that will meet his/her unique needs.

SSSP goals are partially fulfilled through the SDEV 001 class. Students who intend to graduate from San Bernardino Valley College are encouraged to complete SDEV 001 during the first two semesters in which they are enrolled in nine (9) or more units.

Students may be exempt from this requirement upon completion of 30 plus units of college credit or AA/AS, and/or AA-T /AS-T degree. Additionally, career track students with vocational disciplines may apply for an exemption through the Department Chair or Division Dean of the area of study.

GENERAL EDUCATION AND GRADUATION REQUIREMENTS

- Associate Degree Graduation Requirements (p. 51)
- Vocational Certificate Programs (p. 64)
- Transfer Information (p. 57)

Philosophy of General Education (GE)

General Education provides students the means to comprehend the modern world. Toward that end, General Education provides students learning experiences meant to develop such abilities as being able to think critically, communicate clearly, use science and technology, and possess the basic principles, concepts, and methodologies both unique to, and shared by, various disciplines. General Education prepares students from diverse communities to live in and contribute to a complex, changing, multicultural, and diverse world. Most importantly, General Education creates a strong foundation in both breadth and depth upon which students can continue to develop an understanding of their specific interests, environments, and disciplines through productive lifelong learning.

Successful completion of approved programs at San Bernardino Valley College may lead to:

- Completion of lower division (freshman and sophomore) requirements for transfer to upper division (junior) standing at a four-year college or university;
- An *Associate of Arts* or *Associate of Science* degree;
- A *Certificate of Completion* in a specific occupational field.

Even though these objectives are listed separately, it is possible to achieve all three concurrently during the first two years of college. For example, it is possible to use the coursework completed for a certificate program as a major for an associate degree. Similarly, students completing lower division requirements for transfer to a four-year college or university will find it possible to meet the requirements for an associate degree from San Bernardino Valley College.

Students are encouraged to work with a counselor to develop an **educational plan** to meet educational goals in a time-effective manner. See Student Success and Support Program (SSSP) (https://catalog.valleycollege.edu/student-support-programs-services/student-success-support-program-sssp/) for details.

Graduation Catalog Rights

Catalog Rights at San Bernardino Valley College (SBVC) are determined by the first term a student registers for courses at SBVC and/or Crafton Hills College (CHC), including courses offered through dual enrollment. Catalog rights remain with a student as long as they maintain continuous enrollment. A student may choose to fulfill graduation requirements from any academic year for which continuous enrollment is met.

Understanding Continuous Enrollment:

- Continuous enrollment is defined as enrolling in at least one course during each academic year at SBVC and/or CHC, including courses offered through dual enrollment (Fall, Spring, Summer).
- Any academic record symbol (A, B, C, D, F, CR, NC, P, NP, I, IP, EW, FW, or W) counts as enrollment.

Please Note: Catalog rights do not guarantee the availability of discontinued or significantly modified programs, courses, or requirements.

Catalog Rights and Transfer Institutions:

The California State Universities (CSUs) catalog rights are governed by Title 5, section 40401. Some CSUs may honor CCC catalog rights policies and extend their applicability to all students, in practice.

The University of California (UC) has no systemwide catalog rights policy. UC will continue to accept appropriate California Community College (CCC) certifications of IGETC and Cal-GETC for incoming students for the time being.

Graduation Requirement Exceptions

When a student has a deficiency in one or more of the areas required for graduation, he/she has the option of filing a *Petition for Academic Exception*, which is available in the Admissions and Records Office (AD/SS 100). The Scholastic Standards Committee will consider each petition based on its overall individual merit.

Associate Degree Graduation Requirements

Graduates from San Bernardino Valley College (SBVC) receive an Associate of Arts degree or an Associate of Science degree. To earn an Associate degree, students must complete general education breadth requirements as specified in Option #1 or Option #2 below, as well as additional units of electives and/or lower division requirements for a major.

Students must file a Graduation Application in the Records Office by the deadlines listed below:

Graduation	Application Deadline
Fall Graduation	October 1
Spring Graduation	March 1
Summer Graduation	July 1

When printed deadlines fall on either Saturday or Sunday, the filing period will be extended to the Monday following the deadline date.

Associate Degree: Option #1

The Option 1 Associate Degree is designed for students who plan to attend a four-year college or university.

The general education breadth requirements are the same as the requirements for the California General Education Transfer Curriculum (Cal-GETC). In the process of completing this coursework, the student must fulfill these general requirements:

a. Complete a minimum of 60 transferable semester units of college coursework, with at least 12-degree applicable semester units in residence at San Bernardino Community College District.
b. Earn a letter grade of C or higher in each course.

Associate Degree: Option #2

To earn an Associate Degree and graduate from SBVC students must complete general education breadth requirements specified below. Note: additional requirements such as lower division major courses, 60 degree-applicable units, and a minimum overall grade point average must also be completed (refer to detailed information listed below).

a. SDEV 001 is required of all students taking nine (9) or more units per semester. This course must be completed within a student's first two semesters of coursework.
    i. Exempt from this requirement upon completion of 30+ units of college credit or AA/AS degree or BA/BS degree.
    ii. Career-track students with vocational disciplines, which have articulated programs with four-year colleges or universities, apply for an exemption through the Department Chair or Division Dean of the area of study.
b. Complete a minimum of 60 semester units of degree-applicable lower division credit courses, with at least 12-degree applicable semester units in residence at San Bernardino Community College District.
c. Earn a minimum cumulative grade point average of 2.0 in the degree-applicable courses. **Note**: To meet graduation requirements, students must earn a grade of C or higher in both English C1000/C1000H (or equivalent course) and in a Mathematics course that satisfies Area 2 of the SBVC local GE/Graduation requirements.
d. Complete coursework for an AA or an AS major as listed in Part IV of the San Bernardino Valley College Catalog. Note: Satisfactory completion of each course counted toward the major or area of emphasis requirement with a grade of “C” or better, or of “P” if the course is taken on a “pass-no pass” basis.
e. Complete 26-34 units of the minimum 60 semester units needed for graduation from the following six subject areas.

Area 1: English Composition, Oral Communication, and Critical Thinking

(Minimum: 7 - 8 semester units)
Complete one course from both 1A and 1B categories.

Code	Title	Units
1A: English Composition		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000	Academic Reading and Writing - Honors	
1B: Oral Communication or Critical Thinking		
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001	Critical Thinking and Writing - Honors	
COMM C1000	Introduction to Public Speaking	3
or COMM C1000H	Introduction to Public Speaking - Honors	
COMM 125	Critical Thinking Through Argumentation and Debate	3
COMM 140	Small Group Communication	3
PHIL 102	Critical Thinking and Writing	3
PHIL 103	Introduction to Logic: Argument and Evidence	3
READ 100	College Academic Reading	3
READ 102	Critical Reading as Critical Thinking	3
READ 104	Critical Reading, Thinking and Literacy	3

Area 2: Mathematical Concepts and Quantitative Reasoning

(Minimum: 3 - 5 semester units)
Complete a Mathematical Concept or Quantitative Reasoning course from 2A.

Code	Title	Units
2A: Mathematical Concepts or Quantitative Reasoning		
ECON 208	Business and Economic Statistics	4
MATH 102	College Algebra	4
MATH 103	Plane Trigonometry	4
MATH 106	Mathematical Concepts for Elementary School Teachers	3
MATH 115	Ideas of Mathematics	3
MATH 120	Mathematical Financial Planning	4
MATH 141	Business Calculus	4
MATH 151	Precalculus	4
MATH 180	Introduction to Data Science	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
PSYC 105	Statistics for the Behavioral Sciences	4

STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	

[1] *Completed Fall 2009 or later.*

Area 3: Arts & Humanities and Social & Behavioral Science

(Minimum: 7 - 9 semester units)
Complete three (3) courses: one 3A, one 3B, and choose one from 3A and 3B.

Code	Title	Units
3A: Arts & Humanities		
ANTH 108	Introduction to Native American Studies [1]	3
or ANTH 108H	Introduction to Native American Studies - Honors	
or ETHS 108	Introduction to Native American Studies	
ANTH 109	Visual Culture and Art	3
ANTH 111	The Anthropology of Magic, Witchcraft, and Religion	3
or ANTH 111H	The Anthropology of Magic, Witchcraft, and Religion - Honors	
ARAB 101	College Arabic I	5
ARAB 102	College Arabic II	5
ARCH 145	History of Architecture: Early Design through Gothic	3
or ARCH 145H	History of Architecture: Early Design through Gothic - Honors	
ARCH 146	History of Architecture: Renaissance through Modern	3
or ARCH 145H	History of Architecture: Early Design through Gothic - Honors	
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200	Survey of Art from the Renaissance to Contemporary - Honors	
ARTH 103	Art Appreciation	3
ARTH 105	History of Modern Art	3
ARTH 107	Art History: Africa, Oceania and the Americas	3
ARTH 108	Art of Mexico and Mesoamerica	3
ASL 109	American Sign Language I	4
ASL 110	American Sign Language II	4
ASL 111	American Sign Language III	4
ASL 112	American Sign Language IV	4
CHIN 101	College Mandarin Chinese I	5
CHIN 102	College Mandarin Chinese II	5
DANCE 100	Dance History and Appreciation	3
ENGL 140	Exploring the World of Science Fiction	3
ENGL C1002	Introduction to Literature	3
or ENGL C1002H	Introduction to Literature - Honors	
ENGL 141	Mystery and Detective Fiction	3
ENGL 153	Literature and Film	3
ENGL 161	Women Writers	3
ENGL 163	Chicana/o Literature	3
or ETHS 163	Chicana/o Literature	
ENGL 165	African-American Literature	3
or ETHS 165	African-American Literature	
ENGL 175	The Literature and Religion of the Bible	3
ENGL 232	Creative Writing	3
ENGL 260	American Literature to 1865	3
or ENGL 260H	American Literature to 1865 - Honors	
ENGL 261	American Literature from 1865 to Present	3
ENGL 270	English Literature: Middle Ages to 18th Century	3
or ENGL 270H	English Literature: Middle Ages to 18th Century - Honors	
ENGL 271	English Literature: Late 18th Century to Present	3
or ENGL 271H	English Literature: Late 18th Century to Present - Honors	
FTVM 102	Introduction to Film and Media Aesthetics	3
FTVM 103	Ethnicity and Identity in Media	3
or ETHS 103	Ethnicity and Identity in Media	
FTVM 104	Women in Cinema	3
FRENCH 101	College French I	5
FRENCH 102	College French II	5
HIST C1001	United States History to 1877 [1]	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865 [1]	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
or ETHS 107	Native American Experiences in U.S. History	
or ETHS 107H	Native American Experiences in U.S. History - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 142	Experiences of Asian Americans in U.S. History	3
HIST 145	History of California	3
or HIST 145H	History of California - Honors	
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
HIST 185	Women in United States History	3
MUS 100	Music Appreciation	3
or MUS 100H	Music Appreciation - Honors	
MUS 101	Music Theory I: Fundamentals	3
MUS 102	Music Theory II: Scales and Modes	3
MUS 104	History of Rock and Roll	3
MUS 105	American Popular Music	3
MUS 106	History of Jazz	3
MUS 107	Music Cultures of the World	3
MUS 108	History of Hip Hop Music	3

MUS 121	Music History and Literature - Middle Ages through Baroque	3
or MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	
MUS 122	Music History and Literature - Classic through Contemporary	3
or MUS 122H	Music History and Literature - Classic through Contemporary - Honors	
MUS 201	Music Theory III: Basic Harmony	3
MUS 202	Music Theory IV: Harmony	3
PHIL 101	Introduction to Philosophy	3
or PHIL 101H	Introduction to Philosophy - Honors	
PHIL 105	Introduction to Ethics	3
PHIL 109	Philosophy of Religion	3
PHIL 180	Death and Dying	3
RELIG 100	Introduction to Religious Studies	3
or RELIG 100H	Introduction to Religious Studies - Honors	
RELIG 101	Introduction to World Religions	3
RELIG 115	Magic, Witchcraft, Cults, and New Religious Movements	3
RELIG 135	Religion in America	3
RELIG 150	Introduction to Mythology	3
RELIG 175	The Literature and Religion of the Bible	3
RELIG 176	Jesus and His Interpreters	3
RELIG 180	Death and Dying	3
SPAN 101	College Spanish I	5
SPAN 101H	College Spanish I - Honors	5
SPAN 102	College Spanish II	5
SPAN 102H	College Spanish II - Honors	5
SPAN 103	College Spanish III	4
SPAN 103H	College Spanish III - Honors	4
SPAN 104	College Spanish IV	4
SPAN 109	Spanish Civilization and Culture	3
SPAN 110	Latin American Civilization and Culture	3
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4
THART 100	Introduction to the Theatre	3
or THART 100H	Introduction to Theatre - Honors	
THART 105	Script Analysis	3
THART 110	Voice and Diction for Actors	3
3A: Arts & Humanities - Applied Courses (MAX - 1 course)		
ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
ART 124A	Beginning Drawing	3
ART 124B	Intermediate Drawing	3
ART 124C	Advanced Drawing	3
ART 126A	Beginning Painting	3
ART 126B	Intermediate Painting	3
ART 126C	Advanced Painting	3
ART 132A	Beginning Life Drawing	3
ART 132B	Intermediate Life Drawing	3
ART 132C	Advanced Life Drawing	3
ART 145	Introduction to Digital Applications for Graphic Design	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
ART 149	Design Thinking in Visual Communication	3
ART 161	Digital Photography	3
ART 175A	Beginning Sculpture	3
ART 175B	Intermediate Sculpture	3
ART 175C	Advanced Sculpture	3
ART 212A	Beginning Ceramics	3
ART 212B	Intermediate Ceramics	3
ART 212C	Intermediate/Advanced Ceramics	3
ART 212D	Advanced Ceramics	3
ART 240A	Beginning Glassblowing	3
ART 240B	Intermediate Glassblowing	3
ART 240C	Intermediate/Advanced Glassblowing	3
ART 240D	Advanced Glassblowing	3
ART 270A	Beginning Design in Glass	3
ART 270B	Intermediate Design in Glass	3
ART 270C	Intermediate/Advanced Design in Glass	3
ART 270D	Advanced Design in Glass	3
ART 280	Beginning 3D Digital Animation and Visualization	3
FTVM 122	Acting and Directing for Television and Film	3
FTVM 131	Cinematography	3
MUS 101L	Musicianship I	1
MUS 102L	Musicianship II	1
MUS 117A	Elementary Acoustic Guitar	1
MUS 117B	Intermediate Acoustic Guitar	1
MUS 117C	Intermediate/Advanced Acoustic Guitar	1
MUS 117D	Advanced Acoustic Guitar	1
MUS 120	Songwriting	3
MUS 123	Electronic Music I	3
MUS 124	Electronic Music II	3
MUS 130	Elementary Voice	3
MUS 131	Intermediate Voice	3
MUS 133	Elementary Piano	1
MUS 134	Intermediate Piano	1
MUS 135	Advanced Piano	1
MUS 141X2	Applied Music I	0.5
MUS 150X4	Mixed Chorus	1
MUS 152X4	Chamber Singers	1
MUS 153X4	Chamber Chorale	1
MUS 154X4	College Singers	1
MUS 156X4	Concert Choir	1
MUS 158X4	Gospel Choir	1
MUS 159X4	Theatrical Music Workshop	1
MUS 160X4	Commercial Music Ensemble	1
MUS 162X4	Wind Ensemble	1
MUS 166X4	Concert Band	1
MUS 167X4	Jazz Combo	1
MUS 168X4	Jazz Band	1
MUS 170X2	Jazz Improvisation and Theory I	1

MUS 171X2	Jazz Improvisation and Theory II	1
MUS 180X4	Instrumental Chamber Music	1
MUS 201L	Musicianship III	1
MUS 202L	Musicianship IV	1
MUS 210	Conducting	3
MUS 241X2	Applied Music II	0.5
THART 114X4	Rehearsal and Performance	4
THART 120	Acting Fundamentals I	3
THART 121	Acting Fundamentals II	3
THART 132	Lighting Design Fundamentals	3
THART 135	Directing Fundamentals	3
THART 136	Introduction to Theatre Design	3
THART 139	Fundamentals of Costume Design	3
THART 147	Theatre Movement	3
THART 160X4	Technical Theatre in Production	3
THART 165	Stage Makeup	3
THART 166	Improvisational Acting	3
3B: Social & Behavioral Science		
ANTH C1001	Introduction to Biological Anthropology [2]	3
or ANTH C1001H	Introduction to Biological Anthropology - Honors	
ANTH 100	Introduction to Archaeology	3
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
ANTH 103	Anthropology of Food	3
ANTH 108	Introduction to Native American Studies	3
or ANTH 108H	Introduction to Native American Studies - Honors	
ANTH 109	Visual Culture and Art	3
ANTH 111	The Anthropology of Magic, Witchcraft, and Religion	3
or ANTH 111H	The Anthropology of Magic, Witchcraft, and Religion - Honors	
ANTH 125	Language and Culture	3
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
CDEV 108	Early Childhood Development	3
CDEV 126	Child, Family, and the Community	3
COMM 135	Mass Media and Society	3
COMM 174	Intercultural Communication	3
COMM 176	Gender Differences in Communication	3
ECON 100	Introduction to Economics	3
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
EDUC 103	Education, Society, and Culture	3
ETHS 100	Introduction to Ethnic Studies	3
ETHS 104	Latina/o/x Studies	3
ETHS 105	Introduction to Asian American Studies	3
ETHS 106	Introduction to Black Studies	3
ETHS 109	Introduction to Oceania and Pacific Islander Studies [3]	3
FTVM 101	Introduction to Electronic Media	3
GEOG 102	Cultural Geography	3
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3
GLST 101	Introduction to Global Studies	3
GLST 102	Global Issues	3
HEALTH 113	Social Determinants of Health, Disparities and Equities	3
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
or ETHS 107	Native American Experiences in U.S. History	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 142	Experiences of Asian Americans in U.S. History	3
HIST 145	History of California	3
or HIST 145H	History of California - Honors	
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
HIST 185	Women in United States History	3
KIN 202	History of Physical Education and Sport in the United States	3
PHIL 180	Death and Dying	3
POLS C1000	American Government and Politics	3
or POLS C1000H	American Government and Politics - Honors	
POLS 110	Introduction to Political Theory	3
or POLS 110H	Introduction to Political Theory - Honors	
POLS 140	Introduction to Comparative Politics	3
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
POLS 150	Introduction to Public Policy	3
POLS 170	Introduction to the Politics of Race and Gender	3
POLS 173	California Government	3
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
PSYC 102	Personal and Social Adjustment	3
PSYC 110	Abnormal Psychology	3
PSYC 111	Developmental Psychology: Lifespan	3
PSYC 112	Developmental Psychology: Child and Adolescent Psychology	3
PSYC 118	Human Sexual Behavior	3
PSYC 119	Multicultural Psychology	3

RELIG 115	Magic, Witchcraft, Cults, and New Religious Movements	3
RELIG 180	Death and Dying	3
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 120	Medical Sociology	3
SOCI 130	Family Sociology	3
SOCI 135	Introduction to Crime	3
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
SOCI 145	Sociology of Gender	3
SOCI 150	Aging and the Life Course	3

[1] HIST C1001, HIST C1001H, HIST C1002, HIST C1002H, ANTH 108, ANTH 108H, and ETHS 108 will be removed from Area 3A starting Fall 2028.
[2] ANTH C1001 and ANTH C1001H will be removed from Area 3B starting Fall 2028.
[3] ETHS 109 is not approved for Area 6 - Ethnic Studies.

Area 4: Natural Sciences

(Minimum: 4 - 6 semester units)
Complete one course from both 4A and 4B without a lab or complete one course from either 4A or 4B with a lab.

Code	Title	Units
4A: Physical Science		
ASTR C1001	Introduction to Astronomy	3
ASTR C1001L	Introduction to Astronomy Lab	1
CHEM 101	Introductory Chemistry [1]	4
CHEM 104	Introduction to Organic Chemistry and Biochemistry [1]	4
CHEM 105	Introduction to General, Organic and Biochemistry [1]	5
CHEM 150	General Chemistry I [1]	5
CHEM 151	General Chemistry II [1]	5
ENVSCI 100	Introduction to Environmental Science	3
FN 162	Introduction to Food and Nutrition	3
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory [1]	1
GEOG 111H	Physical Geography Laboratory - Honors [1]	1
GEOG 114	Weather and Climate [1]	4
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory [1]	1
GEOL 112	Historical Geology	4
GEOL 122	Environmental Geology	3
GEOL 140	Earth Science	3
GEOL 141	Earth Science Laboratory [1]	1
GEOL 250	Geology of California	3
GEOL 251	Geology of the National Parks and Monuments	3
OCEAN 101	Elements of Oceanography	3
OCEAN 111	Elements of Oceanography Laboratory [1]	1
PHYSIC 101	Introductory Physics [1]	4
PHYSIC 151	General Physics for the Life Sciences I [1]	4
PHYSIC 152	General Physics for the Life Sciences II [1]	4
PHYSIC 202	Physics I [1]	4
4B: Life Science		
ANTH C1001	Introduction to Biological Anthropology	3
or ANTH C1001	Introduction to Biological Anthropology - Honors	
ANTH C1001L	Biological Anthropology Lab [1]	1
BIOL C1000	Introduction to Biology with Lab [1]	4
BIOL 104	Human Ecology	3
BIOL 141	Genetics	3
BIOL 155	Introductory Anatomy and Physiology [1]	4
BIOL 205	Cell and Molecular Biology [1]	4
BIOL 206	Organismal Biology [1]	4
BIOL 207	Evolutionary Ecology [1]	4
BIOL 250	Human Anatomy and Physiology I [1]	4
BIOL 251	Human Anatomy and Physiology II [1]	4
BIOL 260	Human Anatomy [1]	4
BIOL 261	Human Physiology [1]	4
BIOL 270	Microbiology [1]	5
PSYC 141	Introduction to Biological Psychology	3

[1] *Laboratory Course*

Area 5: Lifelong Learning & Self-Development

(Minimum: 2 - 3 semester units)
(Note: A maximum of four semester units of Kinesiology activity courses can apply for graduation requirements.)

Students are exempt from this requirement if they have completed any of the following programs of study at SBVC: Nursing, Psychiatric Technology, or POLICE 002. KIN 231 does not satisfy this graduation requirement. **A DD214 waives this requirement for former military personnel.**

Code	Title	Units
5A: Lifelong Learning & Self-Development		
BUSAD 039	Strategies for Successful Employment	3
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
CDEV 126	Child, Family, and the Community	3
DANCE 101A	Beginning Modern Dance	2
DANCE 101B	Beginning/Intermediate Modern Dance	2
DANCE 102A	Intermediate Modern Dance	2
DANCE 102B	Intermediate/Advanced Modern Dance	2
DANCE 103A	Beginning Ballet	2
DANCE 103B	Beginning/Intermediate Ballet	2
DANCE 105A	Beginning Jazz Dance	2
DANCE 105B	Beginning/Intermediate Jazz Dance	2
DANCE 106A	Intermediate Jazz Dance	2
DANCE 106B	Intermediate/Advanced Jazz Dance	2
DANCE 107X2	Beginning Tap Dance	2
DANCE 114X4	Dance Rehearsal and Performance	4
DANCE 206X4	Dance Production	4
FN 162	Introduction to Food and Nutrition	3
GEOG 106	Geographic Perspectives on the Environment	3

HEALTH 101	Personal Health and Wellness	3
HEALTH 103	Introduction to Holistic Health	3
HEALTH 104	Women's Health	3
KIN 236	Stress Management and Wellness	3
KINA (all courses) [1]		
KINF (all courses) [1]		
KINS (all courses) [1]		
KINX (all courses) [1]		
PSYC C1000	Introduction to Psychology	3
PSYC C1000H	Introduction to Psychology - Honors	3
PSYC 102	Personal and Social Adjustment	3
PSYC 111	Developmental Psychology: Lifespan	3
PSYC 118	Human Sexual Behavior	3
READ 103	Reading and Literacy for Lifelong Learning	3
SDEV 001	Orientation to College	1
SDEV 102	Pathways for College and Life Success	3
SDEV 103	Career Exploration and Life Planning	3
or SDEV 103H	Career Exploration and Life Planning - Honors	
SOCI 130	Family Sociology	3
SOCI 150	Aging and the Life Course	3

[1] *List of all* Kinesiology Courses *(*https://catalog.valleycollege.edu/degree-certificate-program-index/kinesiology-health/#coursestext*).*

Area 6: Ethnic Studies

(Minimum of 3 semester units)

Code	Title	Units
ETHS 100	Introduction to Ethnic Studies	3
ETHS 103	Ethnicity and Identity in Media	3
or FTVM 103	Ethnicity and Identity in Media	
ETHS 104	Latina/o/x Studies	3
ETHS 105	Introduction to Asian American Studies	3
ETHS 106	Introduction to Black Studies	3
ETHS 107	Native American Experiences in U.S. History	3
or ETHS 107H	Native American Experiences in U.S. History - Honors	
or HIST 107	Native American Experiences in U.S. History	
or HIST 107H	Native American Experiences in U.S. History - Honors	
ETHS 108	Introduction to Native American Studies [1]	3
or ANTH 108	Introduction to Native American Studies	
ETHS 141	Race and Ethnic Relations	3
or ETHS 141H	Race and Ethnic Relations - Honors	
or SOCI 141	Race and Ethnic Relations	
or SOCI 141H	Race and Ethnic Relations - Honors	
ETHS 163	Chicana/o Literature	3
or ENGL 163	Chicana/o Literature	
ETHS 165	African-American Literature	3
or ENGL 165	African-American Literature	

[1] ETHS 108 and ANTH 108 will be removed from Area 6 starting Fall 2028.

Graduation Information:

a. A single course cannot be used in more than one general education area, even if the course is approved in multiple general education areas. Consult with a counselor for more Information.
b. Students may receive credit for knowledge or skills acquired through a district's procedures for awarding credit for prior learning.
c. Courses that meet or exceed the standards of the California Community Colleges completed at other institutionally accredited institutions shall be counted toward associate degree unit requirements.
d. Students who have been awarded a bachelor's degree from an institutionally accredited institution shall be deemed to have fulfilled the general education course requirements for the associate degree. However, students who intend to transfer shall be advised of limitations transfer institutions may place on the transferability of credits, based on institutional accreditation, course modality, and any other relevant factors.
e. Students file a graduation and/or certificate application at the A&R Office, AD/SS 100. An education plan or graduation check must be attached to the graduation/certificate application. Check the school calendar in the Schedule of Classes or the college catalog for deadline filing dates.
f. Official transcripts from other colleges must be on file in the A&R Office. Students must request an evaluation to determine if courses meet the SBVC GE requirements.
g. In order for course work completed at other colleges to be applied toward a major, a Modification of Major form must be approved.

Catalog Rights: Catalog Rights at San Bernardino Valley College (SBVC) are determined by the first term a student registers for courses at SBVC and/or Crafton Hills College (CHC), including courses offered through dual enrollment. Catalog rights remain with a student as long as they maintain continuous enrollment. A student may choose to fulfill graduation requirements from any academic year for which continuous enrollment is met.

Understanding Continuous Enrollment:

- Continuous enrollment is defined as enrolling in at least one course during each academic year at SBVC and/or CHC, including courses offered through dual enrollment (Fall, Spring, Summer).
- Any academic record symbol (A, B, C, D, F, CR, NC, P, NP, I, IP, EW, FW, or W) counts as enrollment.

Please Note: Catalog rights do not guarantee the availability of discontinued or significantly modified programs, courses, or requirements.

Transfer Information

Associate Degrees for Transfer (p. 58)

California General Education Transfer Curriculum (Cal-GETC) (p. 59)

The California State University (CSU)

The California State University system consists of 23 campuses, ranging in location from San Diego to Arcata. The admission cycle for the fall term of each year begins on October 1 of the preceding year. Eligible students may also be accepted during the winter and/or spring terms. Check with the Transfer Center to determine the acceptance dates for each CSU campus. A maximum of 70 transfer-level semester units (or 105 quarter units) earned in a community college will be accepted for transfer. Although courses may be indicated in the catalog as transferable to UC and/or CSU, they may or may not meet general education or major preparation.

Students who plan to transfer to CSU should consult with a counselor and the following websites:

www.valleycollege.edu/student-services/counseling/counseling-services (http://www.valleycollege.edu/student-services/counseling/counseling-services/)

www.calstate.edu/apply (http://www.calstate.edu/apply/)

www.assist.org (http://www.assist.org/)

Students transferring to the California State University should check both the general education and major requirements as early as possible by referring to the current catalogs for the colleges of their choice. A Dual Admissions Program is available to smooth the transition between San Bernardino Valley College and California State University, San Bernardino. Consult with the Transfer Center for details on this agreement.

The University of California (UC)

The University of California has nine major campuses: Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, and Santa Cruz. A tenth campus in San Francisco offers graduate and professional programs in the Health Sciences. With the exception of Berkeley and Merced, these campuses are on a quarter-unit basis. When converting semester units to quarter units, the number of semester units should be divided by two-thirds. When converting from quarter units to semester units, the number of quarter units should be multiplied by two-thirds. Students who plan to transfer to the University of California may complete all of the required lower division courses at San Bernardino Valley College. Although courses may be indicated in the catalog as transferable to UC and/or CSU, they may or may not meet general education or major preparation. Students who plan to transfer to UC should consult with a counselor and the following websites:

uctransfer.universityofcalifornia.edu (http://uctransfer.universityofcalifornia.edu/)

www.assist.org (http://www.assist.org/)

While the UC campuses have similar general breadth lower division requirements and will accept a maximum of 70 transferable semester units (or 105 quarter units) of transfer work, there are some subject differences among the campuses. Consult the catalog of the desired UC campus to identify these differences.

It is also possible to transfer to a University of California campus upon completion of the California General Education Transfer Curriculum (Cal-GETC), as discussed in the following section of this catalog.

The admission cycle for the fall term of the University of California begins each year on November 1 of the preceding year. Each campus will accept for consideration all applications filed during the month of November. Since enrollment ceilings have been established at each campus, students may be accepted only at their second or third choice campus.

Students should enroll in the transfer courses that meet the following requirements:

- Complete 60 semester units or 90 quarter units of transferable college credit with a grade point average of 2.4 (no more than 14 semester/21 quarter units may be taken Pass/Not Pass), and;
- Completed the following course pattern requirement, earning a grade of C or better in each course:
  - Two transferable college courses (3 semester or 4-5 quarter units each) in English composition, and;
  - One transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning, and;
  - Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral science and physical and biological sciences.

Students who satisfy the California General Education Transfer Curriculum (Cal-GETC) prior to transferring to UC may satisfy transfer admission requirements.

Two programs are available to smooth the transition from San Bernardino Valley College to a University of California campus:

a. **Transfer Admission Guarantee Program (TAG):**
An agreement between the University of California and San Bernardino Valley College. Consult with the Transfer Center for details of this admissions agreement. They can be found at AD/SS 203 or call (909) 384-4410;
b. **Transfer Alliance Program (TAP):**
An agreement between the University of California, Los Angeles, and the Honors Program at San Bernardino Valley College. Consult with the Honors Program Coordinator or the Honors Program Counselor for details of this admissions agreement. Call (909) 384-8612 for additional information.

Catalogs for each of the UC campuses may be available in the Transfer Center. Also, in the Transfer Center, (AD/SS 203 or call (909) 384-4410) there is further information available that provide a summary of the unique requirements of each University of California campus: *Introducing the University and Answers for Transfers.*

Requirements for Transfer to Independent California Colleges and Universities

California's fully accredited independent colleges and universities provide a host of options at undergraduate, graduate and professional levels for students planning to continue their education beyond community college. Students who transfer to independent colleges often find that they are given academic credit for most, if not all, of their community college studies. Virtually all institutions give full credit for general education courses and usually for other courses designated for transfer by the community college. Additional information is available in the Transfer Center.

Associate Degrees for Transfer

The Student Transfer Achievement Reform Act (Senate Bill 1440) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major.

Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree (unless the major is a designated “high-unit” major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn an AA-T or AS-T degree, students must complete the following requirements:

a. Completion of 60 semester units that are eligible for transfer to a California State University, including certified completion of the California Intersegmental General Education Transfer Curriculum (Cal-GETC).
b. Completion of a minimum of 18 semester units in an “AA-T” or “AS-T” major
c. Obtainment of a minimum grade point average of 2.0. While a minimum of 2.0 is required for admission, some majors may require a higher GPA.

Benefits of the AA-T and AS-T Degrees

Besides the benefit of completing community college coursework with an associate degree in hand, this program also provides students with the necessary preparation to transfer to the CSU system and complete a baccalaureate degree with no more than 60 additional units. Students with an AA-T or AS-T degree will be guaranteed admission to a CSU campus with junior standing. While not guaranteed admission to their campus of choice, students will be given priority consideration for admission to their local CSU campus and to any CSU campus that offers a program that has been designated as "similar" by CSU.

Associate Degrees for Transfer by Discipline

- Administration of Justice AS-T
- Anthropology AA-T
- Biology AS-T
- Business Administration 2.0 AS-T
- Child and Adolescent Development AA-T
- Communication Studies 2.0 AA-T
- Computer Science AS-T
- Early Childhood Education AS-T
- Economics AA-T
- Elementary Teacher Education: Integrated Programs AA-T
- English AA-T
- Environmental Science AS-T
- Film, Television, and Electronic Media AS-T
- Geography AA-T
- Geology AS-T
- Global Studies AA-T
- History AA-T
- Hospitality Management AS-T
- Journalism AA-T
- Kinesiology AA-T
- Law, Public Policy, and Society AA-T
- Mathematics 2.0 AS-T
- Music AA-T
- Nutrition and Dietetics AS-T
- Philosophy AA-T
- Physics 2.0 AS-T
- Political Science AA-T
- Psychology AA-T
- Public Health AS-T
- Social Justice Studies: Ethnic Studies AA-T
- Social Work and Human Services AA-T

- Sociology AA-T
- Spanish AA-T
- Studio Arts AA-T
- Theatre Arts AA-T

Cal-GETC

California General Education Transfer Curriculum (Cal-GETC)

The California General Education Transfer Curriculum (Cal-GETC) replaces IGETC and CSU-GE Breadth as the single lower-division general education (GE) pathway for students transferring to the California State University (CSU) and University of California (UC) systems (AB 928-Berman, 2021). Cal-GETC certification is required for students pursuing an Associate Degree for Transfer (ADT).

Note: Students planning to transfer with a Science, Technology, Engineering or Math (STEM) major are advised to work closely with a SBVC Counselor to determine the appropriate combination of GE and lower-division major preparation courses needed for successful transfer.

Cal-GETC Certificate of Achievement

The California General Education Transfer Curriculum certificate of achievement is intended for students who are planning to transfer their lower-division transferable general education and major preparation courses from SBVC to a campus in the California State University (CSU) or University of California (UC) system. It may also be accepted by some private/independent or out of state universities. The course requirements for all areas in Cal-GETC must be completed with a grade of “C” or higher.

Important Information:

a. **CSU and UC Admission Requirements**
   i. Completion of the Cal-GETC is not an admission requirement, or an admission guarantee for transfer to a CSU or UC. To obtain more info:
      1. For CSU visit the CSU Admissions website (https://www.calstate.edu/apply/)
      2. For UC visit the UC Admissions website (https://admission.universityofcalifornia.edu/admission-requirements/)
      3. *Note: Students who initially enrolled at a UC campus, then leave and attend SBVC and plan to return to that UC campus (readmits) cannot use Cal-GETC to meet their transfer requirements.*
b. **Cal-GETC Certification**
   i. Students may receive full certification only.
   ii. Courses must be passed with a minimum grade of “C”.
   iii. Courses are certified beginning the year they are approved and remain certified until officially removed.
   iv. SBVC certifies transfer coursework based on each course’s Cal-GETC approval status at the originating campus.
   v. Official transcripts from high school and other colleges and universities must be on file at the SBVC Admissions and Records Office.
c. **Credit by External Examinations**
   i. Advanced Placement (AP) Exams and International Baccalaureate (IB) Exams can be used to satisfy Cal-GETC subject areas where applicable. Refer to the SBVC Catalog charts (https://catalog.valleycollege.edu/general-education-graduation-requirements/transfer-information/cal-getc/ESLEI-24-35-Annual_Updated_Examination_Charts_for_IB_CLEP_and_AP-a11y.pdf) for more information.
   ii. CLEP cannot be used for Cal-GETC.
d. **Catalog Rights**
   i. Catalog Rights at San Bernardino Valley College (SBVC) are determined by the first term a student registers for courses at SBVC and/or Crafton Hills College (CHC), including courses offered through dual enrollment. Catalog rights remain with a student as long as they maintain continuous enrollment. A student may choose to fulfill graduation requirements from any academic year for which continuous enrollment is met.
      1. Understanding Continuous Enrollment: Continuous enrollment is defined as enrolling in at least one course during each academic year at SBVC and/or CHC, including courses offered through dual enrollment (Fall, Spring, Summer).
      2. Any academic record symbol (A, B, C, D, F, CR, NC, P, NP, I, IP, EW, FW, or W) counts as enrollment.
      3. Note: Catalog rights do not guarantee the availability of discontinued or significantly modified programs, courses, or requirements.
   ii. Catalog Rights and Transfer Institutions: The California State Universities (CSUs) catalog rights are governed by Title 5, section 40401. Some CSUs may honor CCC catalog rights policies and extend their applicability to all students, in practice. The University of California (UC) has no systemwide catalog rights policy. UC will continue to accept appropriate California Community College (CCC) certifications of IGETC and Cal-GETC for incoming students for the time being.

Area 1: English Communication

Three (3) courses required, one from each group below.

Code	Title	Units
1A - English Composition		
One (1) course, 3 semester/4 quarter units		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
1B - Critical Thinking and Composition		
One (1) course, 3 semester/4 quarter units		
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001	Critical Thinking and Writing - Honors	
PHIL 102	Critical Thinking and Writing	3
READ 104	Critical Reading, Thinking and Literacy	3
1C - Oral Communication		
One (1) course, 3 semester/4 quarter units		
COMM C1000	Introduction to Public Speaking	3
or COMM C1000H	Introduction to Public Speaking - Honors	

Area 2: Mathematical Concepts and Quantitative Reasoning

One (1) course, 3 semester units/4 quarter units.

Code	Title	Units
ECON 208	Business and Economic Statistics	4
MATH 102	College Algebra	4
MATH 115	Ideas of Mathematics	3

MATH 141	Business Calculus	4
MATH 151	Precalculus	4
MATH 180	Introduction to Data Science	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
PSYC 105	Statistics for the Behavioral Sciences (completed Fall 2009 or later)	4
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	

Area 3: Arts and Humanities

Two (2) courses: one Arts and one Humanities, 6 semester/8 quarter units.

Code	Title	Units
3A - Arts (Art, Cinema, Dance, Music, Theatre)		
One (1) course, 3 semester/4 quarter units		
ANTH 109	Visual Culture and Art	3
ARCH 145	History of Architecture: Early Design through Gothic	3
or ARCH 145H	History of Architecture: Early Design through Gothic - Honors	
ARCH 146	History of Architecture: Renaissance through Modern	3
or ARCH 146H	Architecture History: Renaissance to Modern - Honors	
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200H	Survey of Art from the Renaissance to Contemporary - Honors	
ARTH 103	Art Appreciation	3
ARTH 105	History of Modern Art	3
ARTH 107	Art History: Africa, Oceania and the Americas	3
ARTH 108	Art of Mexico and Mesoamerica	3
DANCE 100	Dance History and Appreciation	3
FTVM 102	Introduction to Film and Media Aesthetics	3
FTVM 103	Ethnicity and Identity in Media	3
or ETHS 103	Ethnicity and Identity in Media	
FTVM 104	Women in Cinema	3
MUS 100	Music Appreciation	3
or MUS 100H	Music Appreciation - Honors	
MUS 101	Music Theory I: Fundamentals	3
MUS 102	Music Theory II: Scales and Modes	3
MUS 104	History of Rock and Roll	3
MUS 105	American Popular Music	3
MUS 106	History of Jazz	3
MUS 107	Music Cultures of the World	3
MUS 108	History of Hip Hop Music	3
MUS 121	Music History and Literature - Middle Ages through Baroque	3
or MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	
MUS 122	Music History and Literature - Classic through Contemporary	3
or MUS 122H	Music History and Literature - Classic through Contemporary - Honors	
THART 100	Introduction to the Theatre	3
or THART 100H	Introduction to Theatre - Honors	
3B - Humanities (Literature, Philosophy, and Languages Other than English)		
One (1) course, 3 semester/4 quarter units		
ANTH 108	Introduction to Native American Studies [1]	3
or ANTH 108H	Introduction to Native American Studies - Honors	
ANTH 111	The Anthropology of Magic, Witchcraft, and Religion	3
or ANTH 111H	The Anthropology of Magic, Witchcraft, and Religion - Honors	
ARAB 102	College Arabic II	5
ASL 111	American Sign Language III	4
ASL 112	American Sign Language IV	4
ENGL 140	Exploring the World of Science Fiction	3
ENGL 141	Mystery and Detective Fiction	3
ENGL 153	Literature and Film	3
ENGL 161	Women Writers	3
ENGL 163	Chicana/o Literature	3
or ETHS 163	Chicana/o Literature	
ENGL 165	African-American Literature	3
or ETHS 165	African-American Literature	
ENGL 260	American Literature to 1865	3
or ENGL 260H	American Literature to 1865 - Honors	
ENGL 261	American Literature from 1865 to Present	3
ENGL 270	English Literature: Middle Ages to 18th Century	3
or ENGL 270H	English Literature: Middle Ages to 18th Century - Honors	
ENGL 271	English Literature: Late 18th Century to Present	3
or ENGL 271H	English Literature: Late 18th Century to Present - Honors	
ENGL C1002	Introduction to Literature	3
or ENGL C1002	Introduction to Literature - Honors	
FRENCH 102	College French II	5
HIST C1001	United States History to 1877 [1]	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865 [1]	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
or ETHS 107	Native American Experiences in U.S. History	
or ETHS 107H	Native American Experiences in U.S. History - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	

HIST 142	Experiences of Asian Americans in U.S. History	3
HIST 145	History of California	3
or HIST 145H	History of California - Honors	
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
HIST 185	Women in United States History	3
PHIL 101	Introduction to Philosophy	3
or PHIL 101H	Introduction to Philosophy - Honors	
PHIL 105	Introduction to Ethics	3
PHIL 109	Philosophy of Religion	3
PHIL 180	Death and Dying	3
RELIG 100	Introduction to Religious Studies	3
or RELIG 100H	Introduction to Religious Studies - Honors	
RELIG 101	Introduction to World Religions	3
RELIG 115	Magic, Witchcraft, Cults, and New Religious Movements	3
RELIG 135	Religion in America	3
RELIG 150	Introduction to Mythology	3
RELIG 175	The Literature and Religion of the Bible	3
RELIG 176	Jesus and His Interpreters	3
RELIG 180	Death and Dying	3
SPAN 102	College Spanish II	5
or SPAN 102H	College Spanish II - Honors	
SPAN 109	Spanish Civilization and Culture	3-4
or SPAN 103H	College Spanish III - Honors	
SPAN 104	College Spanish IV	4
SPAN 109	Spanish Civilization and Culture	3
SPAN 110	Latin American Civilization and Culture	3
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4
THART 105	Script Analysis	3

[1] HIST C1001, HIST C1001H, HIST C1002, HIST C1002H, ANTH 108, ANTH 108H, and ETHS 108 will be removed from Area 3B starting Fall 2028.

Area 4: Social and Behavioral Sciences

Two (2) courses must be from two different disciplines, 6 semester/8 quarter units.

Code	Title	Units
ANTH C1001	Introduction to Biological Anthropology [1]	3
or ANTH C1001H	Introduction to Biological Anthropology - Honors	
ANTH 100	Introduction to Archaeology	3
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
ANTH 103	Anthropology of Food	3
ANTH 108	Introduction to Native American Studies	3
or ANTH 108H	Introduction to Native American Studies - Honors	
ANTH 109	Visual Culture and Art	3
ANTH 111	The Anthropology of Magic, Witchcraft, and Religion	3
or ANTH 111H	The Anthropology of Magic, Witchcraft, and Religion - Honors	
ANTH 125	Language and Culture	3
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
CDEV 108	Early Childhood Development	3
CDEV 126	Child, Family, and the Community	3
COMM 135	Mass Media and Society	3
COMM 174	Intercultural Communication	3
COMM 176	Gender Differences in Communication	3
ECON 100	Introduction to Economics	3
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
EDUC 103	Education, Society, and Culture	3
ETHS 100	Introduction to Ethnic Studies	3
ETHS 104	Latina/o/x Studies	3
ETHS 105	Introduction to Asian American Studies	3
ETHS 106	Introduction to Black Studies	3
ETHS 109	Introduction to Oceania and Pacific Islander Studies [2]	3
FTVM 101	Introduction to Electronic Media	3
GEOG 102	Cultural Geography	3
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3
GLST 101	Introduction to Global Studies	3
GLST 102	Global Issues	3
HEALTH 113	Social Determinants of Health, Disparities and Equities	3
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
or ETHS 107	Native American Experiences in U.S. History	
or ETHS 107H	Native American Experiences in U.S. History - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 142	Experiences of Asian Americans in U.S. History	3
HIST 145	History of California	3
or HIST 145H	History of California - Honors	
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3

HIST 176	Comparative History of Genocide and War Crimes	3
HIST 185	Women in United States History	3
KIN 202	History of Physical Education and Sport in the United States	3
PHIL 180	Death and Dying	3
POLS C1000	American Government and Politics	3
or POLS C1000H	American Government and Politics - Honors	
POLS 103	Native American Politics and Policy	3
POLS 110	Introduction to Political Theory	3
or POLS 110H	Introduction to Political Theory - Honors	
POLS 140	Introduction to Comparative Politics	3
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
POLS 150	Introduction to Public Policy	3
POLS 170	Introduction to the Politics of Race and Gender	3
POLS 173	California Government	3
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
PSYC 102	Personal and Social Adjustment	3
PSYC 110	Abnormal Psychology	3
PSYC 111	Developmental Psychology: Lifespan	3
PSYC 112	Developmental Psychology: Child and Adolescent Psychology	3
PSYC 118	Human Sexual Behavior	3
PSYC 119	Multicultural Psychology	3
RELIG 115	Magic, Witchcraft, Cults, and New Religious Movements	3
RELIG 180	Death and Dying	3
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 120	Medical Sociology	3
SOCI 130	Family Sociology	3
SOCI 135	Introduction to Crime	3
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
SOCI 145	Sociology of Gender	3
SOCI 150	Aging and the Life Course	3

[1] ANTH C1001 and ANTH C1001H will be removed from Area 4 starting Fall 2028.
[2] ETHS 109 is not approved for Area 6 - Ethnic Studies.

Area 5: Physical and Biological Sciences

Two (2) courses; one (1) in 5A and one (1) in 5B. At least one must include a laboratory, 7 semester/9 quarter units.

Code	Title	Units
5A - Physical Science		
One course required from the following:		
ASTR C1001	Introduction to Astronomy	3
ASTR C1001L	Introduction to Astronomy Lab	1
CHEM 101	Introductory Chemistry [1]	4
CHEM 104	Introduction to Organic Chemistry and Biochemistry [1]	4
CHEM 105	Introduction to General, Organic and Biochemistry [1]	5
CHEM 150	General Chemistry I [1]	5
CHEM 151	General Chemistry II [1]	5
CHEM 212	Organic Chemistry I [1]	5
CHEM 213	Organic Chemistry II [1]	5
ENVSCI 100	Introduction to Environmental Science	3
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory [1]	1
or GEOG 111H	Physical Geography Laboratory - Honors	
GEOG 114	Weather and Climate [1]	4
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory [1]	1
GEOL 112	Historical Geology [1]	4
GEOL 122	Environmental Geology	3
GEOL 140	Earth Science	3
GEOL 141	Earth Science Laboratory [1]	1
GEOL 250	Geology of California	3
GEOL 251	Geology of the National Parks and Monuments	3
OCEAN 101	Elements of Oceanography	3
OCEAN 111	Elements of Oceanography Laboratory [1]	1
PHYSIC 101	Introductory Physics [1]	4
PHYSIC 151	General Physics for the Life Sciences I [1]	4
PHYSIC 152	General Physics for the Life Sciences II [1]	4
PHYSIC 202	Physics I [1]	4
PHYSIC 203	Physics II [1]	4
PHYSIC 204	Physics III [1]	4
5B - Biological Science		
One course required from the following:		
ANTH C1001	Introduction to Biological Anthropology	3
ANTH C1001L	Biological Anthropology Lab	1
BIOL C1000	Introduction to Biology with Lab [1]	4
BIOL 104	Human Ecology	3
BIOL 141	Genetics	3
BIOL 205	Cell and Molecular Biology [1]	4
BIOL 206	Organismal Biology [1]	4
BIOL 207	Evolutionary Ecology [1]	4
BIOL 250	Human Anatomy and Physiology I [1]	4
BIOL 251	Human Anatomy and Physiology II [1]	4
BIOL 260	Human Anatomy [1]	4
BIOL 261	Human Physiology [1]	4
BIOL 270	Microbiology [1]	5
PSYC 141	Introduction to Biological Psychology	3

[1] Laboratory Class

Area 6: Ethnic Studies

One (1) course from the list below, 3 semester/4 quarter units.

Code	Title	Units
ETHS 100	Introduction to Ethnic Studies	3
ETHS 103	Ethnicity and Identity in Media	3
or FTVM 103	Ethnicity and Identity in Media	
ETHS 104	Latina/o/x Studies	3
ETHS 105	Introduction to Asian American Studies	3
ETHS 106	Introduction to Black Studies	3
ETHS 107	Native American Experiences in U.S. History	3
or ETHS 107H	Native American Experiences in U.S. History - Honors	
or HIST 107	Native American Experiences in U.S. History	
or HIST 107H	Native American Experiences in U.S. History - Honors	
ETHS 108	Introduction to Native American Studies [1]	3
or ANTH 108	Introduction to Native American Studies	
ETHS 141	Race and Ethnic Relations	3
or ETHS 141H	Race and Ethnic Relations - Honors	
or SOCI 141	Race and Ethnic Relations	
or SOCI 141H	Race and Ethnic Relations - Honors	
ETHS 163	Chicana/o Literature	3
or ENGL 163	Chicana/o Literature	
ETHS 165	African-American Literature	3
or ENGL 165	African-American Literature	

[1] ETHS 108 will be removed from Area 6 starting Fall 2028.

Optional CSU Requirement ONLY:

United States History, Constitution & American Ideals is not a part of Cal-GETC, but SBVC can certify completion of this requirement. Courses used to satisfy this requirement may also be applied to Cal-GETC areas (3B/4). Select one course from US-1, US-2, and US-3. **Note**: POLS C1000/POLS C1000H satisfies both US-2 & US-3.

Code	Title	Units
US-1:		
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
US-2:		
POLS C1000	American Government and Politics	3
or POLS C1000H	American Government and Politics - Honors	
US-3:		
POLS C1000	American Government and Politics	3
or POLS C1000H	American Government and Politics - Honors	
POLS 173	California Government	3

Optional UC Requirement ONLY:

Language Other than English (LOTE) is not a part of Cal-GETC. The optional LOTE certification may satisfy a campus' LOTE graduation requirement. View campus specific guidance for Cal-GETC LOTE certification (https://admission.universityofcalifornia.edu/counselors/_files/documents/calgetc-lote-memo-final_9.15.25.pdf). The equivalent of 2 years of high school language instruction will satisfy the LOTE requirement or completion of any course below:

Code	Title	Units
ARAB 101	College Arabic I	5
ARAB 102	College Arabic II	5
ASL 109	American Sign Language I	4
ASL 110	American Sign Language II	4
CHIN 101	College Mandarin Chinese I	5
CHIN 102	College Mandarin Chinese II	5
FRENCH 101	College French I	5
FRENCH 102	College French II	5
SPAN 101	College Spanish I	5
or SPAN 101H	College Spanish I - Honors	
SPAN 102	College Spanish II	5
or SPAN 102H	College Spanish II - Honors	
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4

Vocational Certificate Programs

San Bernardino Valley College offers certificates of occupational proficiency in many fields. Certificates enable the student to gain marketable skills relatively quickly and at less expense than would be required for an associate degree. Students working toward a certificate are not typically required to take advanced academic courses in such fields as philosophy, foreign languages or history. Nonetheless, they must have a sufficient background in mathematics, reading and writing in order to complete their coursework and to succeed in the occupations they select. Students must also complete all requirements for a certificate with a grade of C or higher.

Refer to Degree and Certificate Program Index page for a complete list of certificates. The length of the certificate program may vary. Students interested in enrolling in certificate programs should speak with a counselor and talk with representatives of the departments that offer the desired program. In some instances, courses completed in high school may be used to satisfy some of the requirements for a certificate. In addition, training programs such as military courses, apprenticeships or other training may be credited toward a certificate program. San Bernardino Valley College offers four types of certificates:

a. **Certificates of Achievement (state-approved) -** Certificate programs consisting of 12 or more units of degree-applicable coursework. These certificates appear by name on student's transcripts.
b. **Certificates of Career Preparation (locally-approved) -** Certificate programs consisting of fewer than 16 units of degree-applicable coursework. These certificates do not appear on student's transcripts.
c. **Certificates of Competency (noncredit, state-approved) -** Certificates with a sequence of noncredit courses in a recognized career field articulated with degree-applicable coursework, completion of an associate degree, or transfer to a baccalaureate institution.
d. **Certificates of Completion (noncredit, state-approved) -** Certificates with a sequence of noncredit courses that culminate in a Certificate of Completion or a certificate leading to improved employability or job opportunities.

For Locally approved certificate programs consisting of fewer than 16 units of degree-applicable coursework. At the beginning of the student's final semester, they should obtain a Graduation and/or Certificate Application either from the Counseling Office, Records Office or the division office of the certificate program being completed. The student will then submit the application to the Records Office for a final check by the deadline date for the semester in question. Those dates are as follows:

Fall - October 1
Spring - March 1
Summer - July 1

When printed deadlines fall either Saturday or Sunday, the filing period will be extended to the Monday following the deadline date. Twelve units, or 50 percent of the coursework required for a certificate, whichever is the lesser, must be completed at San Bernardino Valley College. This residency requirement may be waived in the case of extenuating circumstances with the permission of the program coordinator or Faculty Chair.

The certificate will be prepared by the Admissions and Records Office and will be available to the student by the start of each new semester following the semester of submission.

LEARNING RESOURCES

Academic Success Center

Hours: Varies by semester. Please see our website for current hours and tutor schedules.
Location: Library (LIB) 147
Phone Numbers: 909-384-8589
Website (https://www.valleycollege.edu/student-services/tutoring-academic-support/student-success-center/)

The services provided by the Academic Success Center are here to help you succeed at San Bernardino Valley College by providing academic support, tutoring, and Supplemental Instruction (SI) in multiple subjects to a diverse group of learners. We take special care to empower students with learning strategies and skills needed to become independent learners on the path towards academic success!

Distance Education - Online Learning

Website (https://www.valleycollege.edu/online-classes/)

San Bernardino Valley College is one of the top online Community Colleges to attend in California. With a robust variety of classes to take online, within a broad spectrum of offered degrees and certificates, students have more access to achieve their goals. Courses are offered in a variety of different formats including exclusively online (both asynchronous and synchronous), hybrid, and hyflex models. Online courses require access to a computer system with an internet connection, and may have meetings on campus. Students taking an online course should refer to the schedule for individual course format, as well as the Universal Access Point (UAP) for specific course requirements. Fees and academic credits are the same as equivalent traditional classroom courses.

Dual Enrollment

The Dual Enrollment Program allows students from participating local high schools take college-level courses and accelerate their educational achievement. Dual Enrollment students earn credit towards high school graduation, while at the same time earning college credits. In most cases, college fees and textbook costs are either waived by San Bernardino Valley College or paid by the student's high school – which means that students can participate at absolutely no cost to them. All services available to regular college students, such as use of the Library and Tutoring Center, are also available to Dual Enrollment students.

In order to increase accessibility for our high school population, most Dual Enrollment courses are conveniently offered online or at participating high school campus (unless otherwise noted). Students must meet the eligibility requirements for dual enrollment students as outlined by the Admissions and Records Office.

Courses offered through the Dual Enrollment Program vary by semester. For more information, contact the Dual Enrollment Program office at (909) 384-4467 or at sbvcdualenrollment@valleycollege.edu.

Guided Pathways

Every California Community College is implementing "Guided Pathways", an equity-focused framework that allows us to forge clear paths for students and remove systemic obstacles to their success. Guided Pathways is a structure to provide all students with clear enrollment avenues, course-taking patterns, and support services. This framework centers the student experience in system-wide decision making and helps us meet the goals of the Vision for Success and Call to Action. At San Bernardino Valley College, our Guided Pathways means our students should be able to enroll with confidence and move through their educational experience with clear pathways and few obstacles.

Library

Phone Number: (909) 384-4448
Website (https://library.valleycollege.edu/)

The SBVC Library (https://library.valleycollege.edu/) supports student success by providing equitable access to diverse learning resources in a welcoming and inclusive environment—on campus and online.

Students, faculty, and staff can explore thousands of books, e-books, magazines, scholarly/peer-reviewed articles, videos, newspapers, reference materials, and more. These resources are easily accessible through the library's OneSearch Tool and subject/resource-specific Databases & Research Guides. Whether you're writing a paper or exploring a new topic, our collections are here to support your academic journey.

Need help with research? Librarians are available for one-on-one assistance, in person, at the research help desk, via Zoom, or online via our 24/7 Chat. We also offer research workshops, course-specific orientations, and other helpful tools, like video tutorials, to promote academic success.

The library includes a large computer lab for currently enrolled students, with low-cost printing and copying services. Computer technicians are available for basic tech support, and our friendly library staff are ready to assist you at the circulation/check-out desk.

You'll find both quiet study spaces and collaborative group areas throughout the library. For current hours and additional information, visit: library.valleycollege.edu (https://library.valleycollege.edu/)

Mathematics, Engineering, and Science Achievement (MESA) Program

Location: Physical Science (PS) 121
Phone Number: (909) 384-4463
Website (https://www.sbvcstem.org/mesa/)

The Mathematics, Engineering, and Science Achievement (MESA) program supports students pursuing science, engineering, and mathematics degrees requiring the completion of calculus or higher math courses. It is a rigorous academic program that builds an academic peer community to increase student support and motivation. MESA produces a diverse population of transfer-ready students who will continue their educational journeys in four-year institutions and successfully attain math, engineering, and science degrees. MESA members benefit from academic and career counseling throughout the year, academic and leadership workshops, field trips, transfer preparation, scholarship application support, opportunities to develop professional relationships with faculty and peers, and help finding and applying to summer research and internship opportunities.

Middle College High School Program

Location of High School: 1260 W Esperanza St, San Bernardino, CA 92410
Middle College High School: (909) 888-4041
Location of Program Office at SBVC: North Hall (NH) 139
SBVC Phone Number: (909) 384-4431
Website (https://www.valleycollege.edu/academic-career-programs/specialized-programs/middle-college-high-school/)

Middle College High School is one of the top-performing schools in the Inland Empire and California. Middle College made its debut in San Bernardino in 2001 as an alternative educational experience for students

who were not working to their full potential. The program serves many students who are first in their families to go to college or are considered underserved minorities. Located adjacent to San Bernardino Valley College, students take high school courses in the morning and college courses during the day and/or evenings. Students have the opportunity to work towards a goal of achieving their high school diploma alongside obtaining credits to apply towards their Intersegmental General Education Transfer Curriculum (IGETC) as well achieving an associate degree. The school serves up to 300 students in 9th through 12th grade, all who are selected from the San Bernardino City Unified School District. The students engage in application and lottery process in order to be selected to the program. The program itself is designed to create an environment where students thrive academically and develop a keen sense of responsibility as both college and high school students.

Noncredit Programs

Associate Dean: Emma Diaz, Ed.D. (ediaz@sbccd.edu)

The noncredit program offers noncredit courses and certificates that are tuition free but may have some cost associated with fees, cost of textbooks or materials. These courses often serve as a entry point for students who are learning to navigate higher education, as well as a transition point to prepare students for credit instruction and the workforce. Courses focus on skill attainment, not grades or units. Courses and certificates are currently offered in ESL, Math, and Career Technical Education.

STEM Program

Location: Physical Science (PS) 138 and 140
Phone Number: (909) 384-4463
Website (http://www.sbvcstem.org/)

The STEM (Science, Technology, Engineering and Mathematics) Program is housed under the Student Success Center. The program is designed to assist low income and other traditionally underrepresented students and prepare them to pursue diverse careers in various STEM fields. It assists students in Math and Science courses and prepares them to transfer to four-year universities. The benefits of this program include: scholarships, specialized workshops, STEM events, field trips, and mentoring.

The benefits of the program include:

- Petition-Granted Accelerated Math Cohort Courses (095-102, 103-151)
- S-STEM Scholarships to CSUSB
- Specialized Workshops, Events, and Fieldtrips
- Instructor led Ted-Talks and Math and Science Mentors
- Dedicated Counseling for STEM Majors
- Mid-term and Final Pizza Study Jams

Supplemental Instruction (SI) Across the Disciplines

Website (https://www.valleycollege.edu/student-services/tutoring-academic-support/student-success-center/)

Supplemental Instruction (SI) is an academic assistance program that utilizes peer-assisted study sessions. SI sessions are regularly scheduled, informal review sessions in which students compare notes, discuss readings, develop organizational tools, and predict test items. Students learn how to integrate course content and study skills while working together. The sessions are facilitated by SI Leaders. SI Leaders are students who have previously done well in the course and who attend all class lectures, take notes, and act as model students.

SI sessions may be held in person and/or online.

Students should:

- Check with your instructor to confirm that you have an SI Leader in your class.
- Consult the associated class Canvas page for SI Session Zoom link information.

Visit the department website (https://www.valleycollege.edu/student-services/tutoring-academic-support/student-success-center/) for additional information on the SI Program.

Writing Center

Location: The Village - Building 3
Phone Number: (909) 384-4464
Website

The Writing Center helps students at all levels and from all disciplines to improve their writing skills. The center houses an experienced staff of writing tutors who are available for one-on-one writing conferences with students in person or online. In addition, the Writing Center offers workshops through the year for both mainstream and English language learners that focus on various aspects of the writing process. Visit the Writing Center webpage to learn more about the services that the Writing Center offers.

Zero Textbook Cost Sections

Website (https://www.valleycollege.edu/open-education-resources/students/zero-cost-textbook-classes.php)

These course sections exclusively use digital or other instructional materials that are free of charge to students and may have a lowcost option for print versions for students who prefer this format. Please note there may still be other non-textbook mandatory costs associated with some of these sections (e.g. scantrons, scientific calculators, laboratory materials and/or supplies, etc.). Under some circumstances, faculty may have to adjust selection of instructional materials and this can affect student costs. It may also be necessary to replace instructors scheduled to teach sections.

Replacement faculty have academic freedom to choose instructional materials regardless of costs and are not obligated to use free course materials selected by previous instructor. These lists might be updated throughout the registration period. For additional information please contact faculty assigned to teach ZTC sections or division deans.

Student Awards and Honors

Academic Recognition Programs

Recognition for outstanding academic achievement is given in the following ways:

Dean's List

Outstanding scholastic achievement by San Bernardino Valley College students is recognized through the *Dean's Honors List*. The *Dean's List* is generated twice in each academic year, once during the Fall semester and once during the Spring semester. This scholastic recognition is based on GPA earned during the prior semester as opposed to a cumulative GPA. To qualify for the *Dean's List*, students must complete 12 units of college-level courses during the prior semester. (Units earned through credit-by examination will be counted when determining eligibility.) Courses taken on

a “Pass/No Pass” basis and/or courses numbered in the 900s that do not apply toward a degree are not included when evaluating whether a student has met the 12-unit requirement. Qualifying students will be included on the *Dean’s List* in the following categories:

- ***Highest honors*** for students earning GPAs between 3.90 and 4.00.
- ***Honors*** for students earning GPAs between 3.70 and 3.89.
- ***Distinction*** for students earning GPAs between 3.50 and 3.69.

Graduating with Honors

Students who complete 60 units and who graduate with cumulative GPAs in the above three categories will be honored at graduation with special mention in the graduation program. No more than 15 units of course work graded on a Pass/No Pass basis will be included in this 60-unit requirement.

Students completing their associate degrees with an overall GPA of 3.0 are eligible to wear a gold cord at graduation. Students completing their vocational certificates with an overall GPA of 3.0 or above are eligible to wear a gold cord at graduation. Cords can be picked up in the Bookstore prior to graduation.

Alpha Gamma Sigma

Students who have a cumulative grade point average of 3.00 or higher may join Alpha Gamma Sigma, the California Community College Honor Scholarship Society.

Honors Program

The mission of the Honors Program is to provide students with a rigorous learning experience that encourages independent and creative thought, to enhance students’ critical reading, writing and thinking abilities as tools for achieving further academic success, and to prepare students for transfer to four-year institutions and to remain in the academic honors track.

Students involved in the Honors Program have the opportunity to develop unique links with UCLA, UC Irvine, UC Riverside, Cal Poly Pomona, Pepperdine University, UC Santa Cruz, and Chapman University including:

- Priority admission consideration,
- Priority scholarship consideration,
- Privileges such as use of the libraries,
- Opportunities to attend academic, cultural, and athletic events, campus tours, and the Honors Transfer Day.

Admission to the Honors Program is open to all students. Students who complete the Honors Program will receive a special seal on their transcripts and diploma, and an Honors Program medallion. To complete the program, a student admitted to the Honors program must:

a. Complete a minimum of 15 units of honors classes;
b. Maintain and graduate with an overall 3.5 GPA in all college coursework.

The honors courses range from one to five units. Most courses are accepted by the University of California and California State University systems, and most can be used to satisfy general education requirements. Students who qualify for the Honors Program may register for any of the following honors courses:

Code	Title	Units
ANTH C1001H	Introduction to Biological Anthropology - Honors	3
ANTH 108H	Introduction to Native American Studies - Honors	3
ANTH 111H	The Anthropology of Magic, Witchcraft, and Religion - Honors	3
ARCH 145H	History of Architecture: Early Design through Gothic - Honors	3
ARCH 146H	Architecture History: Renaissance to Modern - Honors	3
ARTH C1200H	Survey of Art from the Renaissance to Contemporary - Honors	3
CDEV C1000H	Child Growth and Development - Honors	3
COMM C1000H	Introduction to Public Speaking - Honors	3
COMM C1004H	Interpersonal Communication - Honors	3
CS 102H	Introduction to Python Programming - Honors	3
CS 265H	Data Structures and Algorithms With C++ - Honors	3
ECON C2001H	Principles of Microeconomics - Honors	3
ECON C2002H	Principles of Macroeconomics - Honors	3
ENGL C1000H	Academic Reading and Writing - Honors	4
ENGL C1001H	Critical Thinking and Writing - Honors	4
ENGL C1002H	Introduction to Literature - Honors	3
ENGL 260H	American Literature to 1865 - Honors	3
ENGL 270H	English Literature: Middle Ages to 18th Century - Honors	3
ENGL 271H	English Literature: Late 18th Century to Present - Honors	3
GEOG 111H	Physical Geography Laboratory - Honors	1
ETHS 107H	Native American Experiences in U.S. History - Honors	3
ETHS 141H	Race and Ethnic Relations - Honors	3
HIST C1001H	United States History to 1877 - Honors	3
HIST C1002H	United States History Since 1865 - Honors	3
HIST 107H	Native American Experiences in U.S. History - Honors	3
HIST 140H	Chicano Experiences in U.S. History - Honors	3
HIST 145H	History of California - Honors	3
MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	3
MUS 122H	Music History and Literature - Classic through Contemporary - Honors	3
PHIL 101H	Introduction to Philosophy - Honors	3
POLS C1000H	American Government and Politics - Honors	3
POLS 110H	Introduction to Political Theory - Honors	3
POLS 138H	Service Learning: Student Leadership - Honors	3
POLS 139H	Service Learning: Community Leadership - Honors	3
POLS 141H	Introduction to World Politics - Honors	3
PSYC C1000H	Introduction to Psychology - Honors	3
RELIG 100H	Introduction to Religious Studies - Honors	3
SOCI C1000H	Introduction to Sociology - Honors	3
SOCI 110H	Social Problems - Honors	3
SOCI 141H	Race and Ethnic Relations - Honors	3
SPAN 101H	College Spanish I - Honors	5
SPAN 102H	College Spanish II - Honors	5
SPAN 103H	College Spanish III - Honors	4
STAT C1000H	Introduction to Statistics - Honors	4
THART 100H	Introduction to Theatre - Honors	3

For a complete course description of any of these courses, refer to the specific department listing in this catalog.

Students who would like to take a single honors course without fully participating in the Honors Program may enroll after satisfactorily demonstrating skill or aptitude in the discipline covered by that honors course. The prerequisite(s) for each course must be met by the individual student. Visit the Honors Program website (https://www.valleycollege.edu/academic-career-programs/specialized-programs/honors-program/) for additional information.

DEGREE AND CERTIFICATE PROGRAMS

Associate Degree Majors

San Bernardino Valley College offers associate degree majors in most departments listed in this catalog. Refer to the chart below for a complete list of associate degree majors. Refer to the particular department for course descriptions and a complete list of the courses required for that major.

Program Length

San Bernardino Valley College offers a wide variety of associate degrees and certificate programs. The amount of time it will take a student to complete an associate degree depends on whether one is attending full-time or part-time, on the student's level of preparation, and on the number of prerequisite courses required. Typically, a student attending full-time with few prerequisite requirements may complete an associate degree in two years. Students attending part-time could take as long as four or five years, or more.

The amount of time it will take to complete a certificate program will depend on whether the student is attending full-time or part-time, the number of units required for the certificate, the rotation of courses over a one- or two-year sequence, and the number of prerequisite courses the student is required to take. A very limited number of certificate programs can be completed in one semester. The majority will take one or two years if the student attends full-time however, the length of the certificate program may vary. Consult with a counselor for more information.

Degree and Certificate Program Index

These are the Associate Degree major/areas of emphasis and Certificates currently available at San Bernardino Valley College. The courses to fulfill the requirements for each listed program are detailed in the following pages. All courses are used to fulfill Associate Degree majors and state or locally approved Certificates must be completed with a minimum grade of C. All programs are subject to change; students should consult with a counselor for further information.

Degree and Certificate Program Index

DEGREE AND CERTIFICATE PROGRAM INDEX

Program	Degree	Certificate	Noncredit	Gainful Employment	CTE
3D Modeling and Design Certificate of Achievement		State Approved		Yes	Yes
Accounting Associate of Arts Degree	AA				Yes
Accounting Certificate of Achievement		State Approved		Yes	Yes
Addiction Studies Certificate of Achievement		State Approved		Yes	Yes
Administration of Justice - Corrections Associate of Science Degree	AS				Yes
Administration of Justice - Corrections Certificate of Achievement		State Approved		Yes	Yes
Administration of Justice Associate in Science for Transfer Degree	AS-T				
Administration of Justice Associate of Arts Degree	AA				Yes
Administration of Justice Certificate of Achievement		State Approved		Yes	Yes
Administrative Assistant Certificate of Achievement		State Approved		Yes	Yes
Advanced Automotive Collision Repair and Refinishing Associate of Science Degree	AS				Yes
Advanced Automotive Collision Repair and Refinishing Certificate of Achievement		State Approved		Yes	Yes
Airframe Maintenance Technician Certificate of Achievement		State Approved		Yes	Yes
Amazon Web Services (AWS) Cloud Computing Certificate of Achievement		State Approved		Yes	Yes
Android Application Security Support Specialist Certificate of Achievement		State Approved		Yes	Yes
Anthropology Associate in Arts for Transfer Degree	AA-T				

Applied Artificial Intelligence Associate of Science Degree	AS				Yes
Architecture and Environmental Design Associate of Science Degree	AS				Yes
Art Associate of Arts Degree	AA				
Artificial Intelligence (AI) Essential Skills Certificate of Completion		State Approved	Yes		Yes
Artificial Intelligence Certificate of Achievement		State Approved		Yes	Yes
Artistic Glass and Design Certificate of Achievement		State Approved		Yes	Yes
Astronomy Associate of Science Degree	AS				
Audio Broadcasting Certificate of Achievement		State Approved		Yes	Yes
Audio Production Associate of Arts Degree	AA				Yes
Automatic and Manual Transmission Associate of Science Degree	AS				Yes
Automatic and Manual Transmission Certificate of Achievement		State Approved		Yes	Yes
Automotive Clean Vehicle Technology Associate of Science Degree	AS				Yes
Automotive Clean Vehicle Technology Certificate of Achievement		State Approved		Yes	Yes
Automotive Engine Performance Associate of Science Degree	AS				Yes
Automotive Engine Performance Certificate of Achievement		State Approved		Yes	Yes
Automotive Interiors Certificate of Achievement		State Approved		Yes	Yes
Automotive Interiors Certificate of Completion		Locally Approved	Yes		Yes
Automotive Preventative Maintenance Technician Certificate of Achievement		State Approved		Yes	Yes

Automotive Technician Associate of Science Degree	AS				Yes
Automotive Technician Certificate of Achievement		State Approved		Yes	Yes
Automotive Wheel Alignment and Brakes Associate of Science Degree	AS				Yes
Automotive Wheel Alignment and Brakes Certificate of Achievement		State Approved		Yes	Yes
Aviation Maintenance Technician Associate of Science Degree	AS				Yes
Aviation Maintenance Technician Certificate of Achievement		State Approved		Yes	Yes
Avionics Technology Associate of Science Degree	AS				Yes
Avionics Technology Certificate of Achievement		State Approved		Yes	Yes
Baking Business Certificate of Achievement		State Approved		Yes	Yes
Baking Certificate of Achievement		State Approved		Yes	Yes
Basic Automotive Collision Repair and Refinishing Associate of Science Degree	AS				Yes
Basic Automotive Collision Repair and Refinishing Certificate of Achievement		State Approved		Yes	Yes
Basic Peace Officer Certificate of Achievement		State Approved		Yes	Yes
Basic Waterworks Certificate of Completion		State Approved	Yes		Yes
Biology Associate in Science for Transfer Degree	AS-T				
Biology Associate of Science Degree	AS				
Bookkeeping Certificate of Career Preparation		Locally Approved			Yes
Building Information and 3D Modeling Certificate of Achievement		State Approved		Yes	Yes

Building Information Management (BIM) Certificate of Achievement		State Approved		Yes	Yes
Business Administration 2.0 Associate in Science for Transfer Degree	AS-T				
Business Administration Associate of Arts Degree	AA				Yes
Business Administration Certificate of Achievement		State Approved		Yes	Yes
Business Workplace Essential Skills Certificate of Completion		State Approved	Yes		Yes
Cal-GETC (p. 59)		State Approved			
Career Essentials for the Business World Certificate of Completion		State Approved	Yes		Yes
Case Management in the Public Sector Certificate of Achievement		State Approved		Yes	Yes
Chemistry Associate in Science for Transfer Degree	AS-T				
Chemistry Associate of Science Degree	AS				
Child and Adolescent Development Associate in Arts for Transfer Degree	AA-T				
Child Development - Associate Teacher Certificate of Achievement		State Approved		Yes	Yes
Child Development - Early Intervention and Inclusion Associate of Arts Degree	AA				Yes
Child Development - Early Intervention and Inclusion Certificate of Achievement		State Approved		Yes	Yes
Child Development - Family Child Care Provider Certificate of Achievement		State Approved		Yes	Yes
Child Development - Infant and Toddler Certificate of Achievement		State Approved		Yes	Yes

Child Development - Master Teacher Certificate of Achievement		State Approved	Yes	Yes
Child Development - School-Age Certificate of Achievement		State Approved	Yes	Yes
Child Development - Site Supervisor Certificate of Achievement		State Approved	Yes	Yes
Child Development - Teacher Certificate of Achievement		State Approved	Yes	Yes
Child Development Associate of Arts Degree	AA			Yes
Cisco Certified Network Associate Certificate of Career Preparation		Locally Approved		Yes
CIT - Management Information Systems Associate of Science Degree	AS			Yes
CIT - Management Information Systems Certificate of Achievement		State Approved	Yes	Yes
CIT - Office Technology Associate of Arts Degree	AA			Yes
Commercial Driver's License (CDL) Orientation and Training Certificate of Achievement		State Approved		Yes
Communication Engineering Technology Associate of Science Degree	AS			Yes
Communication Engineering Technology Certificate of Achievement		State Approved	Yes	Yes
Communication Studies 2.0 Associate in Arts for Transfer Degree	AA-T			
Computer Engineering Technology Associate of Science Degree	AS			Yes
Computer Engineering Technology Certificate of Achievement		State Approved	Yes	Yes
Computer Network Support Specialist Certificate of Achievement		State Approved	Yes	Yes

Computer Numerical Control (CNC) Machining Associate of Science Degree	AS			Yes
Computer Numerical Control (CNC) Machining Certificate of Achievement		State Approved	Yes	Yes
Computer Science Associate in Science for Transfer Degree	AS-T			
Computer Science Associate of Science Degree	AS			Yes
Computer Science Certificate of Achievement		State Approved	Yes	Yes
Computer Support Specialist Certificate of Achievement		State Approved	Yes	Yes
Data Science Certificate of Achievement		State Approved	Yes	Yes
Design and Technical Theatre Certificate of Achievement		State Approved	Yes	Yes
Dietetic Aide Certificate of Achievement		State Approved	Yes	Yes
Dietetic Service Supervisor Certificate of Achievement		State Approved	Yes	Yes
Digital Forensics Certificate of Achievement		State Approved	Yes	Yes
Digital Marketing Certificate of Achievement		State Approved	Yes	Yes
Early Childhood Education Associate in Science for Transfer Degree	AS-T			
Economics Associate in Arts for Transfer Degree	AA-T			
Education, Society, and Human Development Associate of Arts Degree	AA			
Electric Power Technology Associate of Science Degree	AS			Yes
Electric Power Technology Certificate of Achievement		State Approved	Yes	Yes
Electronics Technology Associate of Science Degree	AS			Yes
Electronics Technology Certificate of Achievement		State Approved	Yes	Yes

Elementary Teacher Education: Integrated Programs Associate in Arts for Transfer Degree	AA-T				
English Associate in Arts for Transfer Degree	AA-T				
Entrepreneurship - General Certificate of Achievement		State Approved		Yes	Yes
Entrepreneurship - Real Estate Certificate of Achievement		State Approved		Yes	Yes
Entrepreneurship - Tax Certificate of Achievement		State Approved		Yes	Yes
Environmental Science Associate in Science for Transfer Degree	AS-T				
Environmental Science Associate of Science Degree	AS				
ESL Integrated Skills - Beginning Certificate of Competency		State Approved	Yes		
Film Associate of Arts Degree	AA				Yes
Film, Television, and Electronic Media Associate in Science for Transfer Degree	AS-T				
Fitness Specialist Certificate of Achievement		State Approved		Yes	Yes
Flight Operations - Professional Pilot Associate of Science Degree	AS				Yes
Flight Operations - Professional Pilot Certificate of Achievement		State Approved		Yes	Yes
Flight Operations and Management Associate of Science Degree	AS				Yes
Flight Operations Certificate of Achievement		State Approved		Yes	Yes
Flight Operations Certificate of Completion		State Approved	Yes		Yes
Flux Cored Arc Welding (FCAW) Certificate of Achievement		State Approved			Yes
Gallery Management Certificate of Achievement		State Approved		Yes	Yes

Gas Metal Arc Welding (GMAW) Certificate of Achievement		State Approved			Yes
Gas Tungsten Arc Welding (GTAW) Certificate of Achivement		State Approved			Yes
General Electrician Certificate of Achievement		State Approved		Yes	Yes
Geographic Information Systems Certificate of Achievement		State Approved		Yes	Yes
Geography Associate in Arts for Transfer Degree	AA-T				
Geography Associate of Science Degree	AS				
Geology Associate in Science for Transfer Degree	AS-T				
Global Studies Associate in Arts for Transfer Degree	AA-T				
Graphic Design Associate of Arts Degree	AA				Yes
Graphic Design Certificate of Achievement		State Approved		Yes	Yes
Green Technician Certificate of Career Preparation		Locally Approved			Yes
Heating, Ventilation, Air Conditioning and Refrigeration Associate of Science Degree	AS				Yes
Heating, Ventilation, Air Conditioning and Refrigeration Certificate of Achievement		State Approved		Yes	Yes
Heavy/Medium Duty Clean Vehicle Technology Associate of Science Degree	AS				Yes
Heavy/Medium Duty Clean Vehicle Technology Certificate of Achievement		State Approved		Yes	Yes
Heavy/Medium Duty Truck Engine and Fuel Injection Technology Certificate of Achievement		State Approved		Yes	Yes
Heavy/Medium Duty Truck Engine and Fuel Injection Technology Certificate of Completion		State Approved	Yes		Yes

Heavy/Medium Duty Truck Technology Associate of Science Degree	AS				Yes
Heavy/Medium Duty Truck Technology Certificate of Achievement		State Approved		Yes	Yes
Historical Documentary Production Certificate of Achievement		State Approved			Yes
History Associate in Arts for Transfer Degree	AA-T				
Hospitality Management Associate in Science for Transfer Degree	AS-T				Yes
Hospitality/Culinary Arts Associate of Arts Degree	AA				Yes
Hospitality/Culinary Arts Certificate of Achievement		State Approved		Yes	Yes
Human Services Associate of Arts Degree	AA				Yes
Human Services Certificate of Achievement		State Approved		Yes	Yes
Industrial Automation Certificate of Achievement		State Approved		Yes	Yes
Information Security and Cyber Defense Certificate of Achievement		State Approved		Yes	Yes
Information Systems and Technology Associate of Science Degree	AS				Yes
Inspection Technology Associate of Science Degree	AS				Yes
Inspection Technology Certificate of Achievement		State Approved		Yes	Yes
Inspection Technology Certificate of Completion		State Approved	Yes		Yes
iOS Application Security Support Specialist Certificate of Achievement		State Approved		Yes	Yes
Job Readiness Skills Certificate of Completion		State Approved	Yes		
Journalism Associate in Arts for Transfer Degree	AA-T				

Journalism Certificate of Achievement		State Approved		Yes	Yes
Kinesiology Associate in Arts for Transfer Degree	AA-T				
Kinesiology Associate of Arts Degree	AA				
Law, Public Policy, and Society Associate in Arts for Transfer Degree	AA-T				
Leadership Certificate of Achievement		State Approved		Yes	Yes
Liberal Arts - Biological and Physical Sciences Associate of Arts Degree	AA				
Liberal Arts - Humanities and Fine Arts Associate of Arts Degree	AA				
Liberal Arts - Social and Behavioral Sciences Associate of Arts Degree	AA				
Library Technology Associate of Arts Degree	AA				Yes
Library Technology Certificate of Achievement		State Approved		Yes	Yes
Mathematics Associate in Science for Transfer Degree	AS-T				
Media Development Certificate of Achievement		State Approved			Yes
Medical Coding and Billing Certificate of Achievement		State Approved		Yes	Yes
Mindfulness for Work and Community Certificate of Completion		State Approved	Yes		
Music Associate in Arts for Transfer Degree	AA-T				
Music Associate of Arts Degree	AA				
Nursing Associate of Science Degree	AS				Yes
Nutrition and Dietetics Associate in Science for Transfer Degree	AS-T				
Office Technology Fundamentals Certificate of Completion		State Approved	Yes		Yes
Pharmacy Technology Associate of Science Degree	AS				Yes

Pharmacy Technology Certificate of Achievement		State Approved		Yes	Yes
Philosophy Associate in Arts for Transfer Degree	AA-T				
Physics 2.0 Associate in Science for Transfer Degree	AS-T				
Physics Associate of Science Degree	AS				
Pipe Welding Certificate of Achievement		State Approved		Yes	Yes
Political Science Associate in Arts for Transfer Degree	AA-T				
Post-Production Certificate of Achievement		State Approved		Yes	Yes
Powerplant Maintenance Technician Certificate of Achievement		State Approved		Yes	Yes
Practical Entrepreneurship Certificate of Completion		State Approved	Yes		Yes
Production Certificate of Achievement		State Approved			Yes
Professional Baking and Management Associate of Arts Degree	AA				Yes
Psychiatric Technology Associate of Science Degree	AS				Yes
Psychiatric Technology Certificate of Achievement		State Approved		Yes	Yes
Psychology Associate in Arts for Transfer Degree	AA-T				
Public Health Associate in Science for Transfer Degree	AS-T				
Real Estate Associate of Arts Degree	AA				Yes
Real Estate Certificate of Achievement		State Approved		Yes	Yes
Restaurant Service Certificate of Achievement		State Approved		Yes	Yes
Retail Management Certificate of Achievement		State Approved		Yes	Yes
Shielded Metal Arc Welding (SMAW) Certificate of Achievement		State Approved		Yes	Yes

Smart Systems Automation Technology Certificate of Completion		State Approved	Yes		Yes
Social Justice Studies: Ethnic Studies Associate in Arts for Transfer Degree	AA-T				
Social Justice, Advocacy, and Community Associate of Arts Degree	AA				
Social Media Production Certificate of Achievement		State Approved			Yes
Social Work and Human Services Assistant Certificate of Achievement		State Approved		Yes	Yes
Social Work and Human Services Associate in Arts for Transfer Degree	AA-T				Yes
Sociology Associate in Arts for Transfer Degree	AA-T				
Spanish Associate in Arts for Transfer Degree	AA-T				
Street Rod Construction Certificate of Achievement		State Approved		Yes	Yes
Street Rod Construction Certificate of Completion		State Approved	Yes		Yes
Studio Arts Associate in Arts for Transfer Degree	AA-T				
Sustainable Design Certificate of Achievement		State Approved		Yes	Yes
Television Associate of Arts Degree	AA				Yes
Theatre Arts Associate in Arts for Transfer Degree	AA-T				
Urban Planning Certificate of Achievement		State Approved		Yes	Yes
Video Broadcasting Certificate of Achievement		State Approved			Yes
Wastewater Technology Certificate of Completion		State Approved	Yes		Yes
Water Resources Management Bachelor of Science Degree					
Water Supply Technology Certificate of Achievement		State Approved		Yes	Yes

Water Technology Associate of Science Degree	AS				Yes
Water Use Specialist Certificate of Completion		State Approved	Yes		Yes
Web and Multimedia Design Certificate of Achievement		State Approved		Yes	Yes
Web Application Security Support Specialist Certificate of Achievement		State Approved		Yes	Yes
Welding Inspection Technology Certificate of Achievement		State Approved		Yes	Yes
Welding Job Readiness Certificate of Completion		State Approved	Yes		Yes
Welding Technology Associate of Science Degree	AS				Yes
Welding Technology Certificate of Achievement		State Approved		Yes	Yes
Workforce Literacy Skills Certificate of Completion		State Approved	Yes		
Zero Net Energy Certificate of Achievement		State Approved		Yes	Yes

Accounting

Accounting, as the language of business, is concerned with how businesses report their transactions and how they interpret the summaries of those transactions. Accountants record and summarize the economic events within a business. In addition, they interpret financial information and conduct solvency and profitability analyses to serve as a basis for sound business decisions.

Within the mission of the college, the Accounting Department has several objectives:

- Provide high quality accounting and business programs, which will prepare our students for successful careers in business and government.
- Provide students with a broad-base understanding of the concepts of accounting, business and management.
- Provide transfer preparation for universities.

Students planning to transfer to a four-year institution and major in accounting should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Academic Services, Business, Computer Technology, and Hospitality (B - 127)

Division Phone Number: (909) 384-8520

Division Dean: Stephanie Lewis (slewis@sbccd.edu), Ph.D., Ed.S.

Department Chair: Michael Assumma (massumma@sbccd.edu), M.B.A.

Counselor Liaisons:

- Armando Garcia (argarcia@sbccd.edu), M.S.C.
- Patricia (Patty) Jones (pjones@sbccd.edu), M.A.

- Accounting Associate of Arts Degree
- Accounting Certificate of Achievement
- Bookkeeping Certificate of Career Preparation

ACCT 010 3 Units
Bookkeeping
Lecture: 54 contact hours
This is an introductory course for students interested in the accounting field. The focus is basic bookkeeping and accounting principles for small business enterprises. Emphasis is on the development of skills used to record business transactions, as well as the procedures to prepare financial statements and complete the accounting cycle. The course is designed for occupational students and for those who wish to have preparatory training before entering ACCT 200.
Associate Degree Applicable

ACCT 030 4 Units
Federal and State Individual Income Taxation
Lecture: 72 contact hours
This course is an introduction to the basic concepts of federal and state individual income taxation amongst a diverse population. Topics include history and objectives of the income taxes system, analysis of current income taxes issues, and the tax treatment of various types of income, deductions, and credits. Tax planning strategies are discussed. Actual tax forms are studied. Comprehensive individual tax returns are prepared.
Associate Degree Applicable

ACCT 047 3 Units
Computerized Accounting
Lecture: 54 contact hours
This course provides a comprehensive overview of accounting software. Topics covered include the analysis of source documents and the use of accounting software to prepare, understand, and interpret financial statements for a variety of management purposes. It also includes creation and use of spreadsheets to find the solutions to accounting problems within diverse companies.
Associate Degree Applicable

ACCT 090 3 Units
Payroll Accounting
Lecture: 54 contact hours
This course is designed to introduce various types of diverse employee compensations and the current federal and state payroll taxes system. Withholding requirements from employees' compensations as well as payroll taxes reporting are studied. Various types of payroll taxes forms are discussed and prepared. This course will focus on the records and control requirements of payroll accounting.
Associate Degree Applicable

ACCT 200 4 Units
Financial Accounting
Lecture: 72 contact hours
Departmental Recommendation: MATH 102 and ENGL C1000 or ENGL C1000H
This introductory financial accounting course is designed for students interested in business and/or accounting fields. This course is an introduction to the basic concepts and standards underlying financial accounting systems. Students learn to record accounting data and to prepare financial statements. Several important concepts will be studied in detail, including business ethics, the accounting cycle, revenue/expenses recognition, inventory, long-lived assets, liabilities, and equities.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ACCT 110

ACCT 201 4 Units
Managerial Accounting
Lecture: 72 contact hours
Prerequisite: ACCT 200
This course studies the use of accounting information in decision-making, planning, directing operations and controlling within the diverse business field. It focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Issues relating to ethics, cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments are also examined.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ACCT 120

ACCT 600 Noncredit
Volunteer Income Tax Assistance Program (VITA)
Lecture: 9 contact hours
Lab: 26 contact hours
Limitation on Enrollment: Prior to enrolling in this course students must obtain the IRS certificates: Volunteer Standards of Conduct Certification Intake/Interview and Quality Review Certification and Advanced tax Certification.
This noncredit course combines theory and practical application, allowing students to assist low-income and elderly citizens with tax preparation under the supervision of a CPA or licensed tax preparer. Through participation in the IRS-sponsored Volunteer Income Tax Assistance (VITA) program, students gain hands-on experience in individual income tax preparation. This course emphasizes understanding tax law, IRS guidelines, client service, professionalism, and ethics. By providing free tax services to underserved communities, students gain valuable career skills while engaging in meaningful civic service.

Accounting Associate of Arts Degree

The Associate of Arts (AA) - in accounting - is designed to provide fundamental skills for individuals planning to enter the field of accounting. Possible entry-level jobs for this program include accounting clerk, accounts payable/receivable clerk, claims clerk, payroll clerk, credit clerk, bookkeeper, accounting intern, tax preparer or comparable positions. This AA program focuses on entry-level accounting skills including communication and ethics needed in today's professional environment. The program provides a fundamental understanding of not only essential practitioner skills but also addresses the unique skills needed by an entry-level accountant. Accounting topics include - financial accounting, managerial accounting, federal taxation, payroll, bookkeeping and the use of business application and accounting software.

Code	Title	Units
Required Courses:		
ACCT 047	Computerized Accounting	3
ACCT 200	Financial Accounting	4
ACCT 201	Managerial Accounting	4
BUSAD 100	Introduction to Business	3
BUSAD 210	Business Law	3
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
Total Units		**27**

Code	Title	Units
Recommended Courses:		
ACCT 030	Federal and State Individual Income Taxation	4
ACCT 090	Payroll Accounting	3
CIT 101	Introduction to Computer Literacy	3
CIT 114	Spreadsheets: Excel	3
MATH 102	College Algebra	4

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Measure and recognize assets, liabilities, and owner's equity using the fundamental concepts inherent in Generally Accepted Accounting Principles (GAAP).
b. Analyze and record transactions using a journal and a ledger, including adjusting, and closing entries.
c. Identify and execute the various steps in the accounting cycle.
d. Prepare, interpret, and analyze basic financial statements using manual and computerized systems for service, merchandising, and manufacturing businesses.
e. Describe the legal, ethical, and social implications of business decisions and their impact on various individuals, groups, and societies.
f. Analyze, decode, and evaluate the ethics of an accounting scenario.
g. Recognize the value of diversity in opinions, values, abilities, and cultures in all business environments.

Accounting Certificate of Achievement

The Accounting Certificate is designed to prepare students for entry-level positions, updating and maintaining accounting records, calculating disbursements and receipts, tracking accounts payable and receivable, and determining profit and loss.

Code	Title	Units
Required Courses:		
ACCT 047	Computerized Accounting	3
ACCT 200	Financial Accounting	4
ACCT 201	Managerial Accounting	4
BUSAD 100	Introduction to Business	3
BUSAD 210	Business Law	3
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
Total Units		**27**

Code	Title	Units
Recommended Courses:		
ACCT 030	Federal and State Individual Income Taxation	4
ACCT 090	Payroll Accounting	3

MATH 102	College Algebra	4
CIT 101	Introduction to Computer Literacy	3
CIT 114	Spreadsheets: Excel	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Organize, analyze, and interpret measurable business transactions.
b. Prepare financial statements by applying Generally Accepted Accounting Principles.
c. Communicate financial and managerial accounting information applying common methods of business communication.
d. Recognize the value of diversity in opinions, values, abilities, and cultures in all business environments.
e. Identify ethical and social responsibility issues facing today's business.

Bookkeeping Certificate of Career Preparation

Bookkeeping clerks along with accounting and auditing clerks are an organization's financial recordkeepers. They update and maintain one or more accounting records. All of these clerks make numerous computations each day. In small businesses, bookkeeping clerks handle all financial transactions and recordkeeping. In large offices and accounting departments, the clerks have more specialized tasks, such as accounts payable or accounts receivable. The responsibilities vary by level of experience.

Code	Title	Units
Required Courses:		
ACCT 010	Bookkeeping	3
ACCT 090	Payroll Accounting	3
ACCT 047	Computerized Accounting	3
or CIT 114	Spreadsheets: Excel	
Total Units		**9**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Understand the role and the duties of a bookkeeper within the framework of the required accounting activities in a business setting.
b. Explain and apply the concepts of cash vs. accrual basis accounting, double entry bookkeeping as well as the debits and credits.
c. Prepare basic payroll transitions ranging from paying wages to depositing and reporting payroll taxes.
d. Make appropriate and accurate accounting entries for a variety of financial records.

Administration of Justice

The Administration of Justice Department strives to provide our students with the legal, ethical and educational background necessary to pursue a career in a criminal justice-related field and to successfully transition into a 4-year academic program.

The Administration of Justice discipline involves the study of the theory and practice of law, law enforcement, the courts, and corrections systems. Law enforcement specializes in police activities including effective investigation and patrol services to the public. The courts specialize in responsibilities to the public through the trial system. The corrections systems specialize in the punishment and incarceration process as well as rehabilitation of the offender. Private security services explore private protection through private agencies.

Administration of Justice offers a wide range of career opportunities. Students interested in careers as peace officers should refer to the Department of Police Science in this catalog. Students planning to transfer to a four-year institution and major in Administration of Justice should consult with a counselor regarding the transfer process and lower division requirements. The Administration of Justice courses listed may not be offered every semester due to instructor availability. Please refer to the college semester class schedule offerings.

Any felony or domestic violence conviction, or any significant prior or current drug use will disqualify most people seeking jobs in law enforcement, corrections, probation/parole, or forensics.

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Carlos Carlos (ccarlos@sbccd.edu) Ed.D.

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- Administration of Justice - Corrections Associate of Science Degree
- Administration of Justice - Corrections Certificate of Achievement
- Administration of Justice Associate in Science for Transfer Degree
- Administration of Justice Associate of Arts Degree
- Administration of Justice Certificate of Achievement

ADJUS 101 3 Units
Introduction to Administration of Justice
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to the philosophy and history of the criminal justice system including the roles and functions of the local, state, and federal jurisdictions. Additional discussion topics will include the roles, functions and interrelationships among law enforcement agencies, courts and corrections as well as crime causation, correctional theory, analysis, and the social impact of crime.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: AJ 110

ADJUS 102 3 Units
Principles and Procedures of the Justice System
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides an examination and analysis of due process in criminal proceedings, from pre-arrest through trial and appeal, utilizing statutory, state and constitutional precedents.
Associate Degree Applicable
Transfers to CSU only
C-ID: AJ 122

ADJUS 103 3 Units
Concepts of Criminal Law
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to common law, legal concepts, codes and their history, and the philosophy and development of U.S. criminal law.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: AJ 120

ADJUS 104 3 Units
Legal Aspects of Evidence
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course examines the origin, development, philosophy, and constitutional basis of the use of evidence. It also incorporates constitutional and procedural considerations affecting arrest, search and seizure, types of evidence, and rules governing admissibility, judicial decisions, and interpretation of individual rights. Case studies will also be covered in this class.
Associate Degree Applicable
Transfers to CSU only
C-ID: AJ 124

ADJUS 105 3 Units
Community Relations
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course examines the complex and dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges of administering justice within a diverse multicultural population. Topics include the consensus and conflicting values in culture, religion, and the law.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: AJ 160

ADJUS 106 3 Units
Principles of Investigation
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course covers the principles of various types of investigations utilized in the criminal justice system, including concepts of investigation, and the analysis, evaluation, preservation and documentation of evidence. The course will also include dealing with the public, techniques for handling crime scenes, interviews, evidence, surveillance, follow-up, technical resources, and case preparation.
Associate Degree Applicable
Transfers to CSU only
C-ID: AJ 140

ADJUS 107 3 Units
Concepts of Enforcement Services
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course examines the theories, philosophies, and concepts related to the role expectations of line enforcement officers. The emphasis is focused on patrol, traffic and public service responsibilities and their relationships to the administration of justice.
Associate Degree Applicable
Transfers to CSU only

ADJUS 108 3 Units
Juvenile Procedures
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an examination of the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice System. The course explores the theories that focuses on juvenile law, courts and processes, and the constitutional protections extended to juveniles administered by the American Justice System.
Associate Degree Applicable
Transfers to CSU only
C-ID: AJ 220

ADJUS 151 3 Units
Introduction to Corrections
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided Self-Placement process.
This course provides a history and critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the criminal justice system and corrections. A critical examination of the types of correctional institutions and the clients housed in each institution as well as contemporary correctional issues are evaluated with consideration for diversity factors. (Formerly CORREC 101)
Associate Degree Applicable
Transfers to CSU only
C-ID: AJ 200

ADJUS 152 3 Units
Correctional Interviewing and Counseling
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided Self-Placement process.
This course examines appropriate interviewing and counseling techniques in the correctional setting, including application with inmates, perpetrators, victims, family members, and witnesses. Varying strategies are evaluated for use with client sidetracking, aversion, hostility, defensiveness, and crisis intervention with a lens for diverse client identities and needs. (Formerly CORREC 102)
Associate Degree Applicable
Transfers to CSU only

ADJUS 153 3 Units
Gangs and Corrections
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided Self-Placement process.
This course explores the history and development of some of the earliest and most well-known gangs in the prison setting and in the community. The types of gangs, history, criminal activities, and motivational theories for joining prison gangs are evaluated. Diversity characteristics, such as race, ethnicity, gender, religion, and socioeconomic class will be examined as they relate to gang membership (Formerly CORREC 103)
Associate Degree Applicable
Transfers to CSU only

ADJUS 154 3 Units
Control and Supervision in Corrections
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided Self-Placement process.
This course provides an overview of the operational procedure and policies for inmate and client custody and supervision within local, state, and federal correctional and detention facilities. Discussion and analysis of the relationships between and among correctional officers and staff, administration, inmates, clients, victims, and communities are investigated with special emphasis on impact of diversity issues. (Formerly CORREC 104)
Associate Degree Applicable
Transfers to CSU only

ADJUS 155 3 Units
Legal Aspects of Corrections
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided Self-Placement process.
This course is the study of the historical framework, concepts, and precedents that guide correctional practice. Course material will present a broader perspective of the correctional environment such as the civil rights of prisoners, responsibilities and liabilities of correctional officials, the courts, and police. Modern considerations related to diversity, equity, and inclusion are applied to current practices. (Formerly CORREC 105)
Associate Degree Applicable
Transfers to CSU only

ADJUS 156 3 Units
Probation and Parole
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided Self-Placement process.
This course is a study of the historical and contemporary view of the application of probation and parole procedures in the criminal justice system. The impact of SB 823, abolishing the Division of Juvenile Justice (DJJ), and in SB 92 which institutes county realignment for previous DJJ youth is examined. This course material will broaden the student concept of community corrections and the rights and liabilities of a person on probation or parole. (Formerly CORREC 106)
Associate Degree Applicable
Transfers to CSU only

Administration of Justice - Corrections Associate of Science Degree

The Administration of Justice – Corrections Associate of Science Degree provides students with an understanding of the correctional systems utilized by local, state, and federal levels of government. Students will explore the various career paths and hiring practices associated with jobs in the Correctional field. It provides a comprehensive overview of correctional facilities, community-based facilities/programs, probation, and parole utilized in the United States. This degree will prepare students for a career in corrections.

Code	Title	Units
Required Courses:		
ADJUS 151	Introduction to Corrections	3
ADJUS 152	Correctional Interviewing and Counseling	3
ADJUS 153	Gangs and Corrections	3
ADJUS 154	Control and Supervision in Corrections	3
ADJUS 155	Legal Aspects of Corrections	3
ADJUS 156	Probation and Parole	3
Total Units		**18**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Provide a comprehensive overview of employment options in the corrections profession at the local, state, and federal levels of public safety.
b. Describe the various federal, state, and local legal frameworks, concepts and precedents that guide Correctional Professionals.
c. Compare and contrast the adult correctional system and the juvenile correctional system at the local, state, and federal levels.

Administration of Justice - Corrections Certificate of Achievement

The Administration of Justice – Corrections certificate is designed for students considering a career as a Correctional Officer, Youth Correctional Counselor, Jailer, or those already employed seeking advancement in their career. The corrections systems specialize in the punishment and incarceration process as well as rehabilitation of the offender. Students will learn the fundamentals of the corrections systems, the legal aspects of corrections, control and supervision in corrections, correctional interviewing and counseling, and the probation and parole concepts in corrections.

Code	Title	Units
Required Courses:		
ADJUS 151	Introduction to Corrections	3
ADJUS 152	Correctional Interviewing and Counseling	3
ADJUS 153	Gangs and Corrections	3
ADJUS 154	Control and Supervision in Corrections	3
ADJUS 155	Legal Aspects of Corrections	3
ADJUS 156	Probation and Parole	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply knowledge and skills required in securing and maintaining employment.
b. Compare and contrast the differences between probation and parole.
c. Differentiate and identify control techniques in crisis situations within the correctional setting.
d. Distinguish the responsibilities and liabilities of the laws governing a correctional officer.
e. Assess the legal framework within the incarceration process.
f. Compare prison gang membership both inside and outside the facility.
g. Choose to further personal interests by completing the requirements for an Administration of Justice degree or developing skills as a crime scene investigator.

Administration of Justice Associate of Arts Degree

To graduate with a specialization in Administration of Justice, students must complete all requirements for the certificate plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
ADJUS 101	Introduction to Administration of Justice	3
ADJUS 102	Principles and Procedures of the Justice System	3
ADJUS 103	Concepts of Criminal Law	3
ADJUS 104	Legal Aspects of Evidence	3
ADJUS 105	Community Relations	3
Two elective courses from the following: (6 units)		
ADJUS 106	Principles of Investigation	3
ADJUS 107	Concepts of Enforcement Services	3
ADJUS 108	Juvenile Procedures	3
ADJUS 151	Introduction to Corrections	3
ADJUS 152	Correctional Interviewing and Counseling	3
ADJUS 153	Gangs and Corrections	3
ADJUS 154	Control and Supervision in Corrections	3
ADJUS 155	Legal Aspects of Corrections	3
ADJUS 156	Probation and Parole	3
Total Units		**21**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply knowledge and skills required in securing and maintaining employment.
b. Analyze the interrelations between the courts, law enforcement, and corrections.
c. Demonstrate the sequence of events necessary in determining admissibility or suppression of evidence.
d. Demonstrate analysis of basic legal definitions of criminal law.
e. Develop a world view that values why law enforcement is necessary in diverse populations and societies.

Administration of Justice Associate in Science for Transfer Degree

Administration of Justice is the study of the causes, consequences, and control of crime. The program leading to the Associate in Science in Administration of Justice for Transfer (AS-T) is designed to acquaint pre-service and in-service students with the principles and practices of criminal justice systems in America. The goal of this program is to familiarize students with a foundation in the Criminal Justice sub-systems: Law Enforcement, Correctional Science, Criminology, Forensics, Investigations, and the Judicial /Court's role. The program is both academic and professional in that it is an interdisciplinary attempt to relate intellectual issues and practitioner perspectives to the challenge of crime in a free society. Consequently, the program provides preparation for employment with a related agency and /or transfer to a college or university.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Administration of Justice AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Administration of Justice should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
ADJUS 101	Introduction to Administration of Justice	3
ADJUS 103	Concepts of Criminal Law	3
List A - Two of the following courses:		**6**
ADJUS 102	Principles and Procedures of the Justice System	3
ADJUS 104	Legal Aspects of Evidence	3
ADJUS 105	Community Relations	3
ADJUS 106	Principles of Investigation	3
ADJUS 108	Juvenile Procedures	3
ADJUS 151	Introduction to Corrections	3
List B - Two of the following courses (or any course not used from List A):		**6-8**
ADJUS 152	Correctional Interviewing and Counseling	3
ADJUS 153	Gangs and Corrections	3
ADJUS 154	Control and Supervision in Corrections	3
ADJUS 155	Legal Aspects of Corrections	3
ADJUS 156	Probation and Parole	3
CIT 101	Introduction to Computer Literacy	3
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001	Critical Thinking and Writing - Honors	
or PHIL 102	Critical Thinking and Writing	
PHIL 103	Introduction to Logic: Argument and Evidence	3
POLS C1000	American Government and Politics	3
or POLS C1000	American Government and Politics - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
PSYC 105	Statistics for the Behavioral Sciences	4
or STAT C1000	Introduction to Statistics	
or STAT C1000	Introduction to Statistics - Honors	
or ECON 208	Business and Economic Statistics	
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	

Code	Title	Units
Major Total Units		**18-20**
General Education (Cal-GETC) Units		**34**
Elective Units		**6-8**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Critically analyze and evaluate the admissibility or exclusion of evidence based upon fourth and fifth amendment protections; evaluate and describe the various types of evidence.
b. Critically analyze and evaluate the proper procedures in conducting a criminal investigation involving crimes against persons, property, sex crimes, crimes against children, bombs and explosives, and vice and narcotics.
c. Critically analyze and describe the role and responsibilities of Forensic criminalists in conducting a criminal investigation.
d. Critically evaluate the challenges and strategies of the Criminal Justice System within a diverse and multicultural society.
e. Critically analyze and describe the development of the penal institutions in the United States; describing the goals, challenges, responsibilities and strategies of the correctional institutions.
f. Critically analyze and describe the development of the Juvenile Justice System in the United States; explaining the juvenile court procedures and Constitutional protections prescribed by United States Supreme Court decisions.

Administration of Justice Certificate of Achievement

The Administration of Justice certificate is designed to prepare students for entry-level positions in a wide range of law enforcement services, including the courts, corrections, law enforcement, and private security.

Code	Title	Units
Required Courses:		
ADJUS 101	Introduction to Administration of Justice	3
ADJUS 102	Principles and Procedures of the Justice System	3
ADJUS 103	Concepts of Criminal Law	3
ADJUS 104	Legal Aspects of Evidence	3
ADJUS 105	Community Relations	3
Two courses from the following: (6 units)		**6**
ADJUS 106	Principles of Investigation	3
ADJUS 107	Concepts of Enforcement Services	3
ADJUS 108	Juvenile Procedures	3
ADJUS 151	Introduction to Corrections	3
ADJUS 152	Correctional Interviewing and Counseling	3
ADJUS 153	Gangs and Corrections	3
ADJUS 154	Control and Supervision in Corrections	3
ADJUS 155	Legal Aspects of Corrections	3
ADJUS 156	Probation and Parole	3
Total Units		**21**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply knowledge and skills required in securing and maintaining employment.
b. Analyze the interrelations between the courts, law enforcement, and corrections.
c. Demonstrate the sequence of events necessary in determining admissibility or suppression of evidence.
d. Demonstrate analysis of basic legal definitions of criminal law.
e. Develop a world view that values why law enforcement is necessary in diverse populations and societies.

Aeronautics

The Aeronautics Department at San Bernardino Valley College is proudly undergoing a renaissance—expanding from its foundation as a premier aircraft maintenance program into a comprehensive aviation education center that serves the full spectrum of aviation careers.

Students can pursue an Associate of Science degree or certificates in Aircraft Maintenance Technology (Airframe and Powerplant) through our FAA Part 147-approved Aviation Maintenance Technician program, which continues to serve as the cornerstone of our department and prepares graduates for high-demand careers as FAA-certificated A&P technicians.

Building on this strong technical foundation, the Aeronautics Department now also offers a Flight Operations – Professional Pilot Certificate and Associate Degree pathway, supported through a newly established Part 141 flight school partnership. This provides students with structured, high-quality flight training as they work toward their pilot certificates and ratings.

In addition, SBVC Aeronautics has been approved as an Air Traffic Control College Training Initiative (AT-CTI) Basic Endorsed School—offering coursework designed to prepare students for future roles within the National Airspace System as air traffic controllers.

The department is also developing curriculum in unmanned aircraft systems (drones), reflecting the evolving landscape of aviation careers.

Whether pursuing aviation maintenance, professional piloting, air traffic control, or drone operations, students benefit from hands-on training, industry-aligned instruction, and a program deeply connected to workforce needs. Those interested in transferring to a four-year institution or seeking specific licenses or ratings are encouraged to meet with Aeronautics faculty and/or a counselor to explore transfer pathways and program requirements.

Graduates of the SBVC Aeronautics program are well-prepared for employment across airlines, maintenance repair organizations, flight operations, government agencies, and other aviation and aerospace sectors.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chair: Francisco Gonzalez (fgonzalez@sbccd.edu), M.Ed., A&P

Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

- Airframe Maintenance Technician Certificate of Achievement
- Aviation Maintenance Technician Associate of Science Degree
- Aviation Maintenance Technician Certificate of Achievement
- Flight Operations - Professional Pilot Associate of Science Degree
- Flight Operations - Professional Pilot Certificate of Achievement
- Flight Operations and Management Associate of Science Degree
- Flight Operations Certificate of Achievement
- Flight Operations Certificate of Completion
- Powerplant Maintenance Technician Certificate of Achievement

AERO 015 2 Units
Nano Composite Technology
Lecture: 18 contact hours
Lab: 54 contact hours
This course is an introduction to Nano Composite Structures including the manufacturing, uniqueness, strength and repair methods in the aviation field and any related fields using composites technology.
Associate Degree Applicable

AERO 021 3 Units
Aviation Fundamentals
Lecture: 54 contact hours
This course is an introduction to the basic principles of aeronautics, aircraft structure and operations including space, rocketry and aeronautical occupations.
Associate Degree Applicable

AERO 022 6 Units
Private Pilot Ground School
Lecture: 108 contact hours
This course offers complete preparation for the Federal Aviation Administration (FAA) private pilot written examination including aerodynamics, weight and balance, airports and airspace, meteorology, using aviation services, flight information publications, federal air regulations, navigation, radio navigation aids, cross-country flight planning, physiology of flight, and airborne emergencies.
Associate Degree Applicable

AERO 022L 3 Units
Private Pilot Flight Lab
Lab: 162 contact hours
Prerequisite/Corequisite: AERO 022
This course provides students with the opportunity to accumulate flight hours essential for obtaining certification and licensing as a commercial instrument pilot. It focuses on training in specific areas to develop proficiency in essential pilot operations required for various certificates and ratings. All instruction follows the guidelines set forth by the Federal Aviation Regulations (FAR) Part 61 and Part 141. Flight training labs adhere to an approved FAR Part 141 curriculum.
Associate Degree Applicable

AERO 024 3 Units
Aircraft Powerplants
Lecture: 54 contact hours
This course is designed to familiarize the student with the operating principles and construction highlights of both reciprocating and jet aircraft engines including internal combustion engines, jet propulsion engines, aircraft fuels and fuel systems, electrical and ignition systems, lubricants and lubrication systems, propellers, engine instrument and control systems, engine inspection, operation and troubleshooting.
Associate Degree Applicable

AERO 025 2 Units
Flight Safety
Lecture: 36 contact hours
This course is an in-depth study of flight safety including: organizations contributing to flight safety, Pilot and passenger responsibilities, emergency radio procedures, pilot resources, ground safety, mid-air collisions, weather and night flight hazards and precautions, emergency procedures, medical factors, human factors, and crash investigation and liability.
Associate Degree Applicable

AERO 026 3 Units
Airframe Structures
Lecture: 54 contact hours
This course is designed to familiarize the aviator or prospective pilot with the fundamentals of aircraft design and construction including: aircraft structural components, fundamentals of aerodynamics and flight, materials and hardware, ice and rain protection, hydraulic and pneumatic systems, landing gear systems, fire protection systems, electrical systems, instrument systems, weight and balance control, and blue print reading.
Associate Degree Applicable

AERO 027 2 Units
Airport Certification and Operations
Lecture: 36 contact hours
This course covers airport certification and operations including applicability, definitions, certificate requirements, and process, Airport Certification Manual (ACM), record keeping, personnel requirements, markings, signs, and lighting, airport emergency plan, wildlife hazard management, and unmanned aerospace vehicles (UAV)(drones) issues.
Associate Degree Applicable

AERO 034 3 Units
Civil Aviation Management and Laws
Lecture: 54 contact hours
This course covers the history of civil aviation in the United States including: federal legislation on civil aviation, international treaties and agreements relevant to civil aviation, and regulations pertaining to the management of airports, air carriers, general aviation, international air transport, and the air cargo industry.
Associate Degree Applicable

AERO 040 4 Units
Instrument Ground School
Lecture: 54 contact hours
Lab: 54 contact hours
This course examines the fundamentals of instrument flight in the Air Traffic Control (ATC) system and factors that can affect the operation including aerodynamics, navigation, flight planning, and communication. The subject matter is reinforced by flying various procedures in flight simulators. This course can be used as a method to meet the Federal Aviation Administration (FAA) requirements for the ground instruction portion of a Biennial Flight Review (BFR) as specified in Federal Aviation Regulations (FAR) 61.56.
Associate Degree Applicable

AERO 041L 3 Units
Instrument Pilot Flight Lab
Lab: 162 contact hours
Prerequisite/Corequisite: AERO 040
Limitation on Enrollment: Students must receive approval to enroll in this course from an Aeronautics faculty member.
Students taking this course will receive training in the maneuvers and procedures necessary to meet the standards contained in the FAA Instrument Rating Practical Test Standards. Additionally, students will receive training in safety awareness, crew resource management, and aeronautical decision-making. At the successful completion of this course, students will have gained the aeronautical experience necessary to attain the addition of an Instrument Rating for the Private Pilot Certificate. This course is offered as pass/no-pass basis only.
Associate Degree Applicable

AERO 046 3 Units
Aviation Weather
Lecture: 54 contact hours
This course covers the aspects of weather as they relate to aircraft operation and safety. Includes: Basic and hazardous weather, atmospheric winds, pressure systems as associated with weather, cloud formation, air masses and fronts, thunderstorms, turbulence and icing, fog, haze and smoke, high altitude, arctic and tropical weather, interpretation of weather reports, forecast, charts and maps.
Associate Degree Applicable

AERO 047 3 Units
Commercial Pilot Ground School
Lecture: 54 contact hours
Prerequisite/Corequisite: AERO 047L
Prerequisite: AERO 022 and AERO 022L and AERO 040 and AERO 041L
This course examines the fundamentals of commercial flight in the Air Traffic Control (ATC) system and factors that can affect the operation, including aerodynamics, navigation, flight planning, and communication. The content is reinforced by concurrent enrollment in AERO 047L. This course will meet the Federal Aviation Administration (FAA) requirements for the ground instruction portion for a commercial pilot certificate as specified in Federal Aviation Regulations (FAR) 61.56. The student will receive necessary aeronautical knowledge and ground training to meet the prerequisites specified in Appendix D to 14 CFR Part 141 and CFR Part 61.124 to successfully pass the commercial pilot airman knowledge test.
Associate Degree Applicable

AERO 047L 3 Units
Commercial Pilot Flight Lab
Lab: 162 contact hours
Prerequisite: AERO 041L
Limitation on Enrollment: The student must hold the following prior to enrolling in the flight portion of the commercial pilot certification course: (a) At least a private pilot certificate; and (b) If the course is for a rating in an airplane then the person must: (1) Hold an instrument rating in the aircraft that is appropriate to the aircraft category rating for which the course applies; or (2) Be concurrently enrolled in an instrument rating course that is appropriate to the aircraft category rating for which the course applies and pass the required instrument rating practical test prior to completing the commercial pilot certification course.
The student will receive training in the maneuvers and procedures necessary to meet the standards contained in the FAA Commercial Pilot Practical Test Standards. Additionally, the student will receive training in safety awareness, crew resource management, and aeronautical decision-making. At the successful completion of this course, the student will have gained the aeronautical experience necessary to attain the Commercial Pilot Certificate.
Associate Degree Applicable

AERO 050 5 Units
General/Calculations and Basic Electricity Airframe and Powerplant Technologies
Lecture: 90 contact hours
Corequisite: AERO 050L
This course provides training for the General requirements of the Aviation Maintenance Technician Certificate. Areas of study include familiarization of basic hand tools, applications of mathematics, basic physics, certain Federal Aviation Regulations (FARs), basic electricity including application of Ohm's Law, electrical terms, units of measure, types of electrical circuits, reading and interpreting electrical diagrams, and electrical components familiarization.
Associate Degree Applicable

AERO 050L 2 Units
General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies
Lab: 108 contact hours
Corequisite: AERO 050
This course provides training for the General requirements of the Aviation Maintenance Technician Certificate. The content includes the use of basic hand tools, applications of mathematics, basic physics, certain Federal Aviation Regulations (FARs), basic electricity including application of Ohm's Law, use of a volt/ohm meter, interpret electrical circuit diagrams, service and inspection of batteries.
Associate Degree Applicable

AERO 051 5 Units
General/Materials and Servicing Airframe and Powerplant Technologies
Lecture: 90 contact hours
Corequisite: AERO 051L
This course provides training for the General requirements of the Aviation Maintenance Technician Certificate. Areas of instruction include aircraft weight and balance control, basic drafting, aircraft fluid lines and fittings, aircraft hardware, materials, non-destructive testing processes, corrosion control, aircraft cleaning and ground operations and handling.
Associate Degree Applicable

AERO 051L 2 Units
General Laboratory/Materials and Servicing Airframe and Powerplant Technologies
Lab: 108 contact hours
Corequisite: AERO 051
This course provides training for the General requirements of the Aviation Maintenance Technician Certificate. Areas of instruction include aircraft weight and balance control, basic drafting, aircraft fluid lines, fittings, aircraft hardware, materials, non-destructive testing processes, corrosion control, aircraft cleaning, and ground operations and handling.
Associate Degree Applicable

AERO 052 6 Units
Airframe Maintenance - Structures
Lecture: 108 contact hours
Prerequisite/Corequisite: AERO 050 and AERO 050L or AERO 051 and AERO 051L
Corequisite: AERO 052L
This course provides training for the Airframe requirements of the Airframe Maintenance Technician Certificate and the Aviation Maintenance Technician Certificate. Areas of instruction include airframe structures, aircraft covering, aircraft finishing, theory of flight, assembly and rigging, structural repair, aircraft inspection, and aircraft fuel systems.
Associate Degree Applicable

AERO 052L 5 Units
Airframe Maintenance Laboratory - Structures
Lab: 270 contact hours
Prerequisite/Corequisite: AERO 050 and AERO 050L or AERO 051 and AERO 051L
Corequisite: AERO 052
This course provides training for the Airframe requirements of the Airframe Maintenance Technician Certificate and the Aviation Maintenance Technician Certificate. Areas of instruction include airframe structures, aircraft covering, aircraft finishing, theory of flight, assembly and rigging, structural repair, aircraft inspection, and aircraft fuel systems.
Associate Degree Applicable

AERO 053 6 Units
Airframe Maintenance - Systems and Components
Lecture: 108 contact hours
Prerequisite/Corequisite: AERO 050 and AERO 050L or AERO 051 and AERO 051L
Corequisite: AERO 053L
This course provides training for the Airframe requirements of the Airframe Maintenance Technician Certificate and the Aviation Maintenance Technician Certificate. Topics of study include aircraft landing gear systems, aircraft hydraulic & pneumatic systems, environmental systems, water waste, aircraft instruments, communication/ navigation systems, aircraft electrical systems, ice & rain control systems and airframe fire protection systems.
Associate Degree Applicable

AERO 053L 5 Units
Airframe Maintenance Laboratory - Systems and Components
Lab: 270 contact hours
Prerequisite/Corequisite: AERO 050 and AERO 050L or AERO 051 and AERO 051L
Corequisite: AERO 053
This course provides training for the Airframe requirements of the Airframe Maintenance Technician Certificate and the Aviation Maintenance Technician Certificate. Topics of instruction include hydraulic systems, electrical circuits, and basic aircraft systems for power, landing, brakes warning instrumentation, auto pilot, cabin atmosphere control, ice and rain control, fire protection, communications and water/waste systems.
Associate Degree Applicable

AERO 054 6 Units
Powerplant Maintenance - Reciprocating Engine Overhaul
Lecture: 108 contact hours
Prerequisite/Corequisite: AERO 050 and AERO 050L or AERO 051 and AERO 051L
Corequisite: AERO 054L
This course provides training for the Powerplant requirements of the Powerplant Maintenance Technician Certificate and the Aviation Maintenance Technician Certificate. Topics of study include reciprocating engine theory, overhaul, inspections, lubricating systems, indicating systems, fire protection systems, and engine fuel systems.
Associate Degree Applicable

AERO 054L 5 Units
Powerplant Maintenance Laboratory - Reciprocating Engine Overhaul
Lab: 270 contact hours
Prerequisite/Corequisite: AERO 050 and AERO 050L or AERO 051 and AERO 051L
Corequisite: AERO 054
This course provides training for the Powerplant requirements of the Powerplant Maintenance Technician Certificate and the Aviation Maintenance Technician Certificate. Topics of study include reciprocating engine theory, overhaul, inspections, lubricating systems, indicating systems, fire protection systems, and engine fuel systems.
Associate Degree Applicable

AERO 055 6 Units
Powerplant Maintenance - Accessory Overhaul
Lecture: 108 contact hours
Prerequisite/Corequisite: AERO 050 and AERO 050L or AERO 051 and AERO 051L
Corequisite: AERO 055L
This course provides training for the Powerplant requirements of the Powerplant Maintenance Technician Certificate and the Aviation Maintenance Technician Certificate. Topics of study include electricity, ignition, fuel, fuel metering, induction, cooling, exhaust, propellers, turbine engines and auxiliary power units.
Associate Degree Applicable

AERO 055L 5 Units
Powerplant Maintenance Laboratory - Accessory Overhaul
Lab: 270 contact hours
Prerequisite/Corequisite: AERO 050 and AERO 050L or AERO 051 and AERO 051L
Corequisite: AERO 055
This course provides training for the Powerplant requirements of the Powerplant Maintenance Technician Certificate and the Aviation Maintenance Technician Certificate. Areas of instruction include electrical power generation, ignition, fuel and fuel metering, induction, cooling, exhaust, propeller systems, turbine engines and auxiliary power units.
Associate Degree Applicable

AERO 070 3 Units
Introduction to Air Traffic Control (ATC)
Lecture: 54 contact hours
This course is an introductory course in air traffic control and is a requirement for all students in the Flight Operations - ATC Pathway (degree) sequence. The course material covers a broad range of topics specific to the air traffic control system and its application to the aviation profession. Topics included are the history of air traffic control (ATC), National Airspace System (NAS), navigation systems, ATC systems and airspace, ATC communications, ATC procedures and organization, tower, TRACON and en route operations, NextGen and the future of the national airspace system.
Associate Degree Applicable

AERO 071 2 Units
Civil Aircraft Recognition and Performance
Lecture: 36 contact hours
This course is designed for students who want to become air traffic controllers for the Federal Aviation Administration (FAA). Students will learn to recognize the distinctive features of aircraft, identify types of aircraft, classify aircraft as to FAA category and class, and analyze aircraft for performance characteristics required for air traffic control separation.
Associate Degree Applicable

AERO 072 2 Units
ATC Phraseology
Lecture: 36 contact hours
This course introduces students to the standard phraseology and communication techniques used in Air Traffic Control (ATC). Students will learn proper radio communication procedures, terminology, and phraseology as outlined by the Federal Aviation Administration (FAA). Emphasis will be placed on effective communication between pilots and air traffic controllers in a variety of flight scenarios, including ground operations, departures, en route, and arrivals. The course is designed for students pursuing aviation careers, including pilots and future air traffic controllers, and aims to enhance communication safety and proficiency in airspace management.
Associate Degree Applicable

AERO 073 4 Units
Terminal Air Traffic Control
Lecture: 72 contact hours
Prerequisite: AERO 070 and AERO 071 and AERO 072
This course provides an in-depth study of terminal air traffic control (ATC) operations, focusing on the skills and knowledge required to manage aircraft safely and efficiently within terminal airspace, including tower and approach control environments. Students will learn the principles of airspace management, radar and non-radar separation standards, communication protocols, and conflict resolution techniques. Emphasis is placed on understanding FAA regulations, standard operating procedures, and the use of surveillance systems in a terminal ATC setting.
Associate Degree Applicable

AERO 098 0.5-4 Units
Aeronautics Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

AERO 600 Noncredit
Introduction to Aviation Technology
Lecture: 18 contact hours
Lab: 54 contact hours
This noncredit introductory course gives students hands-on experience with airframe and powerplant aviation technology. It will focus on aviation principles, maintenance practices, and careers.

AERO 601L Noncredit
Lab Studies in Aviation Maintenance Technology
Lab: 54 contact hours
Prerequisite/Corequisite: AERO 050 or AERO 050L or AERO 051 or AERO 051L
This course provides additional laboratory instruction for students lacking mandated FAA projects to complete a training certificate.

AERO 611 Noncredit
General Maintenance Test Preparation
Lecture: 8 contact hours
Lab: 6 contact hours
This noncredit course prepares students for the FAA Aviation Mechanic Certification - General oral and practical test. Students will be given extra instruction in practice in the FAA test subjects.

AERO 612 Noncredit
Airframe Maintenance Test Preparation
Lecture: 8 contact hours
Lab: 8 contact hours
This noncredit course prepares the students for the FAA Aviation Mechanic Certification. Airframe written, oral and practical test. Students will review subjects as determined by latest FAA performance statistics.

AERO 613 Noncredit
Powerplant Maintenance Test Preparation
Lecture: 8 contact hours
Lab: 6 contact hours
This noncredit course prepares students for the FAA Aviation Mechanic Certification - Powerplant oral and practical test. Students will be given extra instruction in practice in the FAA test subjects.

AERO 621 Noncredit
Aviation Fundamentals
Lecture: 54 contact hours
This noncredit course is an introduction to the basic principles of aeronautics, aircraft structure and operations including space, rocketry and aeronautical occupations.

AERO 622 Noncredit
Private Pilot Ground School
Lecture: 108 contact hours
This noncredit course offers complete preparation for the Federal Aviation Administration (FAA) private pilot written examination including aerodynamics, weight and balance, airports and airspace, meteorology, using aviation services, flight information publications, federal air regulations, navigation, radio navigation aids, cross-country flight planning, physiology of flight, and airborne emergencies.

AERO 624 Noncredit
Aircraft Powerplants
Lecture: 54 contact hours
This course is designed to familiarize the student with the operating principles and construction highlights of both reciprocating and jet aircraft engines including: internal combustion engines, jet propulsion engines, aircraft fuels and fuel systems, electrical and ignition systems, lubricants and lubrication systems, propellers, engine instrument and control systems, engine inspection, operation and troubleshooting.

AERO 625 Noncredit
Flight Safety
Lecture: 36 contact hours
This noncredit course is an in-depth study of flight safety including: organizations contributing to flight safety, pilot and passenger responsibilities, emergency radio procedures, pilot resources, ground safety, mid-air collisions, weather and night flight hazards and precautions, emergency procedures, medical factors, human factors, and crash investigation and liability.

AERO 626 Noncredit
Airframe Structures
Lecture: 54 contact hours
This noncredit course is designed to familiarize the aviator or prospective pilot with the fundamentals of aircraft design and construction including: aircraft structural components, fundamentals of aerodynamics and flight, materials and hardware, ice and rain protection, hydraulic and pneumatic systems, landing gear systems, fire protection systems, electrical systems, instrument systems, weight and balance control, and blueprint reading.

AERO 640 Noncredit
Instrumental Ground School
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit course examines the fundamentals of instrument flight in the Air Traffic Control (ATC) system and factors that can affect the operation including aerodynamics, navigation, flight planning, and communication. The subject matter is reinforced by flying various procedures in flight simulators. This course can be used as a method to meet the Federal Aviation Administration (FAA) requirements for the ground instruction portion of a Biennial Flight Review (BFR) as specified in Federal Aviation Regulations (FAR) 61.56.

AERO 646 Noncredit
Aviation Weather
Lecture: 54 contact hours
This noncredit course covers the aspects of weather as they relate to aircraft operation and safety. It includes basic and hazardous weather, atmospheric winds, pressure systems as associated with weather, cloud formation, air masses and fronts, thunder storms, turbulence and icing, fog, haze and smoke, high altitude, arctic and tropical weather, interpretation of weather reports, forecast, charts and maps.

AERO 660 Noncredit
Introduction to Drones/Uncrewed Aerial Systems (UAS)
Lecture: 18 contact hours
Lab: 27 contact hours
This course introduces students to a basic understanding of sUAS (small Uncrewed Aircraft Systems) also known as drones. This course offers a basic understanding of sUAS, including their operation, application, and the legal frameworks governing their use. Tailored for beginners with no prior experience and for professionals seeking to enhance their knowledge and skills in sUAS operations.

AERO 661 Noncredit
Remote Pilot sUAS Part 107 Prep
Lecture: 18 contact hours
This noncredit course is designed to prepare students for the FAA's Part 107 exam. Commercial drone pilots must obtain a Remote Pilot Certificate to legally operate drones for commercial or for-profit purposes. This course will include detailed and in-depth explanation of FAA Part 107 regulations, airspace classification, operating requirements, and flight restriction. We will also cover weather and micrometeorology. Upon completion of this course, students will be prepared for the FAA exam and have a thorough understanding of the safe and responsible drone operation.

AERO 900 1 Unit
Lab Studies in Aviation Maintenance Technology
Lab: 54 contact hours
Prerequisite/Corequisite: AERO 050L and AERO 051L
This course provides additional laboratory instruction for students lacking mandated hours or projects to complete a training certificate.

Airframe Maintenance Technician Certificate of Achievement

This certificate is designed to prepare students to qualify for the Airframe Certificate issued by the Federal Aviation Administration (FAA), which enables the holder to perform 100 hours and annual inspections on aircraft ranging from small aircraft used in general aviation to jets utilized by commercial airlines. The written examinations are administered by the FAA at computer testing centers.

Code	Title	Units
Required Courses:		
AERO 050	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 050L	General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies	2
AERO 051	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 051L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 052	Airframe Maintenance - Structures	6
AERO 052L	Airframe Maintenance Laboratory - Structures	5
AERO 053	Airframe Maintenance - Systems and Components	6
AERO 053L	Airframe Maintenance Laboratory - Systems and Components	5
Total Units		**36**

Code	Title	Units
Recommended Courses		
AERO 015	Nano Composite Technology	2

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply general calculations and basic electricity of aviation as required by the Federal Aviation Administration (FAA).
b. Apply general materials and servicing of aviation as required by the FAA.
c. Read and Interpret airframe manuals.
d. Perform required inspections, maintenance, and repairs on aircraft Airframes.
e. Evaluate and troubleshoot aircraft airframe systems and components.
f. Evaluate and service aircraft airframe systems.
g. Assess the serviceability of aircraft airframe parts and components.
h. Write descriptive and concise discrepancy reports.

Aviation Maintenance Technician Associate of Science Degree

To graduate with a specialization in Aviation Maintenance Technician, students must complete the following requirements with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units). This degree enables the holder to perform 100 hours and annual inspections on aircraft ranging from small aircraft used in general aviation to jets utilized by commercial airlines.

Code	Title	Units
Required Courses:		
AERO 050	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 050L	General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies	2
AERO 051	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 051L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 052	Airframe Maintenance - Structures	6
AERO 052L	Airframe Maintenance Laboratory - Structures	5
AERO 053	Airframe Maintenance - Systems and Components	6
AERO 053L	Airframe Maintenance Laboratory - Systems and Components	5
AERO 054	Powerplant Maintenance - Reciprocating Engine Overhaul	6
AERO 054L	Powerplant Maintenance Laboratory - Reciprocating Engine Overhaul	5
AERO 055	Powerplant Maintenance - Accessory Overhaul	6
AERO 055L	Powerplant Maintenance Laboratory - Accessory Overhaul	5
Total Units		**58**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Interpret airframe and powerplant manuals.
b. Perform required inspections on an aircraft.
c. Troubleshoot aircraft airframe and powerplant systems.
d. Service and repair aircraft airframe and powerplant systems.
e. Assess the serviceability of parts.
f. Write descriptive discrepancy reports.
g. Broaden their possibilities for advancement in their career fields.
h. Further their education at a four-year university to complete a bachelor degree.

Aviation Maintenance Technician Certificate of Achievement

This certificate is designed to prepare students to qualify for the airframe and powerplant certificates issued by the Federal Aviation Administration (FAA), after passing the FAA testing students are able to work on airliners as well as general aviation. The written examinations are administered by the FAA at computer testing centers.

Code	Title	Units
Required Courses:		
AERO 050	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 050L	General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies	2
AERO 051	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 051L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 052	Airframe Maintenance - Structures	6
AERO 052L	Airframe Maintenance Laboratory - Structures	5
AERO 053	Airframe Maintenance - Systems and Components	6
AERO 053L	Airframe Maintenance Laboratory - Systems and Components	5
AERO 054	Powerplant Maintenance - Reciprocating Engine Overhaul	6
AERO 054L	Powerplant Maintenance Laboratory - Reciprocating Engine Overhaul	5
AERO 055	Powerplant Maintenance - Accessory Overhaul	6
AERO 055L	Powerplant Maintenance Laboratory - Accessory Overhaul	5
Total Units		**58**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply general calculations and basic electricity of aviation as required by the Federal Aviation Administration (FAA).
b. Apply general materials and servicing of aviation as required by the FAA.
c. Read and interpret aircraft airframe, and powerplant manuals.
d. Perform required inspections on an aircraft.
e. Use practical application skills to troubleshoot, service, and repair aircraft airframe and powerplant systems.
f. Assess the serviceability of aircraft airframe, and powerplant system parts and components.
g. Write descriptive and concise discrepancy reports.

Flight Operations and Management Associate of Science Degree

To graduate with a specialization in Flight Operations and Management students must complete the following requirements with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units). This degree is for students who are interested in a career as a commercial pilot either in general aviation, the airlines, or in the area of aviation management.

Code	Title	Units
Required Courses:		
AERO 021	Aviation Fundamentals	3
AERO 022	Private Pilot Ground School [1]	6
AERO 024	Aircraft Powerplants	3
AERO 025	Flight Safety	2
AERO 026	Airframe Structures	3
AERO 027	Airport Certification and Operations	2
AERO 034	Civil Aviation Management and Laws	3
AERO 040	Instrument Ground School	4
AERO 046	Aviation Weather	3
Total Units		**29**

Code	Title	Units
Recommended Courses:		
AERO 022L	Private Pilot Flight Lab	3
AERO 041L	Instrument Pilot Flight Lab	3
AERO 070	Introduction to Air Traffic Control (ATC)	3
AERO 071	Civil Aircraft Recognition and Performance	2

[1] AERO 022 may be waived if students have taken an equivalent course; students are encouraged to see the Department Chair to determine whether course is equivalent to AERO 022.

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Relate the basic principles of aircraft flight, airport layout, airplane construction, and types of airspace.
b. Relate the major aircraft structural components, and the aircraft systems and components and their relevance to aircraft operation.
c. Discuss the factors involved in aircraft flight safety.
d. Compare the different types of aircraft powerplants and discuss the advantages and disadvantages of each.
e. Decipher the different types of weather reports and forecast and determine if aircraft flight is safe.
f. Explain the basic principles of aircraft flight.
g. Outline how the different types of weather affect aircraft flight safety.
h. Explain the relevance of Federal Regulations and laws to aircraft flight safety.
i. Contrast the differences in requirements between general aviation, air carriers, and the air cargo industry.
j. Examine the different business aspects involved in aviation management.

Flight Operations Certificate of Achievement

This certificate program in Flight Operations is designed for students interested in careers as a pilot in general aviation, commercial aviation, or military aviation. This certificate prepares students for employment or transfer to other colleges, and includes Federal Aviation Administration approved curricula in basic ground school, advanced ground school, and instrument ground school. Through the San Bernardino Valley College Flying Club students have the opportunity to gain flight experience at a nominal cost as they prepare for the private pilot, commercial pilot, or instrument pilot ratings.

Code	Title	Units
Required Courses:		
AERO 021	Aviation Fundamentals	3
AERO 022	Private Pilot Ground School [1]	6
AERO 024	Aircraft Powerplants	3
AERO 025	Flight Safety	2
AERO 026	Airframe Structures	3
AERO 040	Instrument Ground School	4
AERO 046	Aviation Weather	3
Total Units		**24**

[1] AERO 022 may be waived if students have taken an equivalent course; students are encouraged to see the Department Chair to determine whether course is equivalent to AERO 022.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Relate the basic principles of aircraft flight, airport layout, airplane construction, and types of airspace.
b. Relate the major aircraft structural components, and the aircraft systems and components and their relevance to aircraft operation.
c. Discuss the factors involved in aircraft flight safety.
d. Compare the different types of aircraft powerplants and discuss the advantages and disadvantages of each.
e. Decipher the different types of weather reports and forecast and determine if aircraft flight is safe.
f. Explain the basic principles of aircraft flight.
g. Outline how the different types of weather affect aircraft flight safety.

Flight Operations Certificate of Completion

This noncredit certificate program in Flight Operations is designed for students interested in careers as a pilot in general aviation, commercial aviation, or military aviation. This certificate prepares students for employment or transfer to other colleges, and includes Federal Aviation Administration approved curricula in basic ground school, advanced ground school, and instrument ground school. Through the San Bernardino Valley College Flying Club students have the opportunity to gain flight experience at a nominal cost as they prepare for the private pilot, commercial pilot, or instrument pilot ratings.

Code	Title	Units
Required Courses:		
AERO 621	Aviation Fundamentals	0
AERO 622	Private Pilot Ground School	0
AERO 624	Aircraft Powerplants	0
AERO 625	Flight Safety	0
AERO 626	Airframe Structures	0
AERO 640	Instrumental Ground School	0
AERO 646	Aviation Weather	0
Total Hours		**416-468**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Relate the basic principles of aircraft flight, airport layout, airplane construction, and types of airspace.
b. Relate the major aircraft structural components, and the aircraft systems and components and their relevance to aircraft operation.
c. Discuss the factors involved in aircraft flight safety.
d. Compare the different types of aircraft powerplants and discuss the advantages and disadvantages of each.
e. Decipher the different types of weather reports and forecast and determine if aircraft flight is safe.
f. Explain the basic principles of aircraft flight.
g. Outline how the different types of weather affect aircraft flight safety.

Flight Operations - Professional Pilot Associate of Science Degree

The Flight Operations - Professional Pilot Associate in Science Degree prepares students for a dynamic career in aviation, providing comprehensive flight training, and ground school instruction in aerodynamics, navigation and aviation regulations. This degree is designed for students aspiring to become professional pilots, offering a strong foundation in both the technical and practical aspects of flight operations. Through state-of-the-art simulators and real-world flight training, students will gain the skills and knowledge necessary to pursue FAA certification as commercial pilots. Graduates will be equipped to enter the aviation industry with the qualifications needed to succeed in various flight operations roles, including positions with airlines, corporate flight departments, and other aviation enterprises.

Code	Title	Units
Required Courses:		
AERO 022	Private Pilot Ground School	6
AERO 022L	Private Pilot Flight Lab	3
AERO 040	Instrument Ground School	4
AERO 041L	Instrument Pilot Flight Lab	3
AERO 047	Commercial Pilot Ground School	3
AERO 047L	Commercial Pilot Flight Lab	3
AERO 046	Aviation Weather	3
AERO 070	Introduction to Air Traffic Control (ATC)	3
Total Units		**28**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate a thorough understanding of aviation concepts, including aerodynamics, aircraft systems, flight planning, and navigation, as well as Federal Aviation Regulations (FARs), necessary for safe and efficient flight operations.
b. Demonstrate an understanding of and commitment to diversity, equity, inclusion, and accessibility by fostering an inclusive aviation environment by actively engaging in practices that respect and value different perspectives, cultures, and abilities in both flight operations and aviation-related professional interactions.
c. Exhibit proficiency in piloting aircraft by successfully performing flight maneuvers, adhering to safety protocols, and applying risk management principles in both simulated and real-world flight scenarios.
d. Apply critical thinking and decision-making skills to assess and respond to dynamic situations in flight operations, ensuring safety and compliance with aviation standards.

e. Communicate clearly and effectively with air traffic control, flight crews, and other aviation professionals using standard aviation terminology and protocols.

Flight Operations - Professional Pilot Certificate of Achievement

The Flight Operations - Professional Pilot certificate program at San Bernardino Valley College prepares students for a dynamic career in aviation, providing comprehensive flight training, and ground school instruction in aerodynamics, navigation and aviation regulations. This certificate program is designed for students aspiring to become professional pilots, offering a strong foundation in both the technical and practical aspects of flight operations. Through state-of-the-art simulators and real-world flight training, students will gain the skills and knowledge necessary to pursue FAA certification as commercial pilots. Graduates will be equipped to enter the aviation industry with the qualifications needed to succeed in various flight operations roles, including positions with airlines, corporate flight departments, and other aviation enterprises.

Code	Title	Units
Required Courses:		
AERO 022	Private Pilot Ground School	6
AERO 022L	Private Pilot Flight Lab	3
AERO 040	Instrument Ground School	4
AERO 041L	Instrument Pilot Flight Lab	3
AERO 047	Commercial Pilot Ground School	3
AERO 047L	Commercial Pilot Flight Lab	3
AERO 070	Introduction to Air Traffic Control (ATC)	3
AERO 046	Aviation Weather	3
Total Units		**28**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Conduct safe and efficient flight operations, adhering to FAA regulations and industry standards. This includes proficiency in pre-flight planning, in-flight decision-making, and post-flight procedures.
b. Demonstrate a comprehensive understanding of aerodynamics, aircraft systems, navigation, weather patterns, and air traffic control procedures. They will be able to apply this knowledge to real-world scenarios to ensure safe and effective flight operations.
c. Articulate and effectively communicate with air traffic control, crew members, and passengers, maintaining professionalism in all interactions using a strong understanding of ethical and legal responsibilities as a professional pilot, ensuring compliance with all regulatory requirements.

Powerplant Maintenance Technician Certificate of Achievement

This certificate is designed to prepare students to qualify for the Powerplant Certificate issued by the Federal Aviation Administration (FAA), which enables the holder to maintain and repair aircrafts ranging from small aircraft used in general aviation to jets utilized by commercial airlines. The written examinations are administered by the FAA at computer testing centers.

Code	Title	Units
Required Courses:		
AERO 050	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 050L	General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies	2
AERO 051	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 051L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 054	Powerplant Maintenance - Reciprocating Engine Overhaul	6
AERO 054L	Powerplant Maintenance Laboratory - Reciprocating Engine Overhaul	5
AERO 055	Powerplant Maintenance - Accessory Overhaul	6
AERO 055L	Powerplant Maintenance Laboratory - Accessory Overhaul	5
Total Units		**36**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply general calculations and basic electricity of aviation as required by the Federal Aviation Administration (FAA).
b. Apply general materials and servicing of aviation as required by the FAA.
c. Read and interpret powerplant manuals, charts, and task sheets.
d. Perform required inspections, maintenance, and repairs on aircraft powerplants.
e. Evaluate and troubleshoot aircraft powerplant systems and components.
f. Use practical application skills to overhaul aircraft powerplants.
g. Read and interpret powerplant overhaul manuals to measure and determine the serviceability of parts.
h. Write descriptive and concise discrepancy reports.

Anthropology

Anthropology is the study of what it means to be human. It has been called the most scientific of the humanities and the most humanistic of the sciences as it takes a broad approach to the study of humanity, integrating biological, archaeological, cultural, and linguistic perspectives.

Coursework in anthropology develops skills of critical thinking and enriches understanding of human diversity. Anthropologists often aim for their work to aid in understanding and solving real-world issues faced by humans today. Anthropology majors may find careers in teaching, cultural resource management, advocacy, marketing, or conflict resolution although anthropological insights can be useful in a vast range of occupations. Students planning to transfer to a four-year institution and major in anthropology should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Social Sciences and Human Development (NH-345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

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Department Website (https://www.valleycollege.edu/academic-career-programs/degrees-certificates/anthropology/)

- Anthropology Associate in Arts for Transfer Degree

ANTH C1001 3 Units
Introduction to Biological Anthropology
Lecture: 54 contact hours
Departmental Recommendation: READ 100
In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific methods are foundations for the course. (Formerly ANTHRO 106)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ANTH 110

ANTH C1001H 3 Units
Introduction to Biological Anthropology - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific methods are foundations for the course. This is an honors course. (Formerly ANTHRO 106H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ANTH 110

ANTH C1001L 1 Unit
Biological Anthropology Lab
Lab: 54 contact hours
Corequisite: Successful completion of or concurrent enrollment in ANTH C1001.
Departmental Recommendation: READ 100
In this laboratory course, students investigate the anatomy, genetics, behavior, variation, and evolution of humans and other primates. Students apply the scientific method and use interactive exercises in this course supplement to the Introduction to Biological Anthropology lecture course. (Formerly ANTHRO 106L)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ANTH 115L

ANTH 100 3 Units
Introduction to Archaeology
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course introduces archaeology, its methods and contributions, in an anthropological context. Topics in this course include cultural resource management, seriation, interpretation of finds, and selected case studies. (Formerly ANTHRO 100)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ANTH 150

ANTH 102 3 Units
Cultural Anthropology
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course is an introduction to the anthropological study of human diversity and culture. Cultural anthropologists study human organization, expression, subsistence, communication, belief, and identity, in relation to social inequalities and culture change. (Formerly ANTHRO 102)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ANTH 120

ANTH 102H 3 Units
Cultural Anthropology - Honors
Lecture: 54 contact hours
This course is an introduction to the anthropological study of human diversity and culture. Cultural anthropologists study human organization, expression, subsistence, communication, belief, and identity, in relation to social inequalities and culture change. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work. (Formerly ANTHRO 102H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ANTH 120

ANTH 103 3 Units
Anthropology of Food
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course studies food from a holistic anthropological perspective. It examines production and consumption of food around the world and across time, and it investigates the variability of the cultural meanings and ecological roles of particular food resources and practices. (Formerly ANTHRO 103)
Associate Degree Applicable
Transfers to both UC/CSU

ANTH 108 3 Units
Introduction to Native American Studies
Lecture: 54 contact hours
This course provides an introduction to the field of Native American Studies. It emphasizes the agency, struggles, and social justice efforts of Native Americans in the United States. Topics covered include Native cultural and intellectual traditions; racialization and intersectionality; antiracism and decolonization; and the relationship between Western scientific practices and Native American experiences. This course is also offered as ETHS 108. (Formerly ANTHRO 108)
Associate Degree Applicable
Transfers to both UC/CSU

ANTH 108H 3 Units
Introduction to Native American Studies - Honors
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course provides an introduction to the field of Native American Studies. It emphasizes the agency, struggles, and social justice efforts of Native Americans in the United States. Topics covered include Native cultural and intellectual traditions; racialization and intersectionality; antiracism and decolonization; and the relationship between Western scientific practices and Native American experiences. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU

ANTH 109 3 Units
Visual Culture and Art
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course explores approaches to visual culture and art in the discipline of anthropology. Included in the course is a survey of diverse visual and artistic practices, study of the relations between power and sight, and introduction to the methods of visual anthropology. (Formerly ANTHRO 109)
Associate Degree Applicable
Transfers to both UC/CSU

ANTH 111 3 Units
The Anthropology of Magic, Witchcraft, and Religion
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course introduces the study of beliefs and practices, past and present, associated with magic, witchcraft, and religion. Topics examined include ritual, symbolism, altered states of consciousness, and healing, as well as syncretism, change, and the social roles of these beliefs and practices. (Formerly ANTHRO 111)
Associate Degree Applicable
Transfers to both UC/CSU

ANTH 111H 3 Units
The Anthropology of Magic, Witchcraft, and Religion - Honors
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course introduces the study of beliefs and practices, past and present, associated with magic, witchcraft, and religion. Topics examined include ritual, symbolism, altered states of consciousness, and healing, as well as syncretism, change, and the social roles of these beliefs and practices. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work. (Formerly ANTHRO 111H)
Associate Degree Applicable
Transfers to both UC/CSU

ANTH 125 3 Units
Language and Culture
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course provides a foundation for the study of language from an anthropological perspective. Topics studied fall into two main categories: the structure of language and the use of language in cultural contexts. Topics include language ideologies, speech communities, and the relation between culture and language. (Formerly ANTHRO 125)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ANTH 130

ANTH 222 1-3 Units
Independent Study in Anthropology
DIR: 54 contact hours
Departmental Recommendation: READ 100
Students with previous coursework in anthropology may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of anthropology. Prior to registration, a written contract must be prepared jointly by the instructor and the student. (Formerly ANTHRO 222)
Associate Degree Applicable
Transfers to CSU only

Anthropology Associate in Arts for Transfer Degree

Anthropology is the study of what it means to be human. It has been called the most scientific of the humanities and the most humanistic of the sciences as it takes a broad approach to the study of humanity, integrating biological, archaeological, cultural, and linguistic perspectives. Anthropologists often aim for their work to aid in understanding and solving real-world issues faced by humans today. The courses within this program are designed to provide students with applicable skills useful in a vast range of occupations.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Anthropology AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and

- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Anthropology should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
ANTH 100	Introduction to Archaeology	3
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
ANTH C1001	Introduction to Biological Anthropology	3
or ANTH C1001	Introduction to Biological Anthropology - Honors	
ANTH C1001L	Biological Anthropology Lab	1
List A - One course from the following: (3-4 units minimum)		
ANTH 125	Language and Culture	3
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001	Critical Thinking and Writing - Honors	
PSYC 105	Statistics for the Behavioral Sciences	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
List B - Two courses from the following: (6 units)		
ANTH 103	Anthropology of Food	3
ANTH 108	Introduction to Native American Studies	3
or ANTH 108H	Introduction to Native American Studies - Honors	
or ETHS 108	Introduction to Native American Studies	
ANTH 109	Visual Culture and Art	3
ANTH 111	The Anthropology of Magic, Witchcraft, and Religion	3
or ANTH 111H	The Anthropology of Magic, Witchcraft, and Religion - Honors	
ARTH 108	Art of Mexico and Mesoamerica	3
COMM 174	Intercultural Communication	3
ENGL 163	Chicana/o Literature	3
or ETHS 163	Chicana/o Literature	
ENGL 165	African-American Literature	3
or ETHS 165	African-American Literature	
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
or ETHS 107	Native American Experiences in U.S. History	
or ETHS 107H	Native American Experiences in U.S. History - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
or HIST 139	The African American Experience in U.S. History from 1877	
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
MUS 107	Music Cultures of the World	3
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
RELIG 101	Introduction to World Religions	3
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
List C - One of the following or any course from List A or B not already used: (2-4 units)		
BIOL 260	Human Anatomy	4
GEOL 101 & GEOL 111	Introduction to Physical Geology and Introduction to Physical Geology Laboratory	4
GEOL 140 & GEOL 141	Earth Science and Earth Science Laboratory	4
GEOG 130	Introduction to Geographic Information Systems (GIS)	3
or GIS 130	Introduction to Geographic Information Systems (GIS)	

Code	Title	Units
Major Total Units		**21-23**
Total Double-Counted Units		**19**
General Education (Cal-GETC) Units		**34**
Elective Units		**22-24**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Express an understanding of the conceptual and methodological framework that guides anthropological work.
b. Apply a relativist perspective in addressing issues facing humans and specific human groups, with a focus on the role of culture.

Architecture and Environmental Design

The Architecture and Environmental Design program offers a foundational knowledge for designing sustainable spaces and communities. This area of study allows students to explore a wide array of fields. It builds on more specialized knowledge that includes sustainability, housing, material explorations and construction methods, urban planning, environmental justice, and emerging trends in digital design and fabrication. A learning-by-doing approach is stressed in preparation for design-related careers, or transfer to a four-year university for further study in architecture, urban planning, landscape architecture, or civil engineering.

The **Associate of Science Degree** prepares students for a career in design-related disciplines and for transfer to professional degree programs at four-year institutions.

The **Certificate of Achievement** prepares students for entry-level positions in a wide range of design professions. It serves as a foundation for specializing in a design-related focus.

Many of our students transfer into a variety of top-tier universities offering accredited architecture programs like USC and Cal Poly Pomona.

Contact Information:

Division: Science and Mathematics (PS - 148)

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- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- 3D Modeling and Design Certificate of Achievement
- Architecture and Environmental Design Associate of Science Degree
- Building Information and 3D Modeling Certificate of Achievement
- Building Information Management (BIM) Certificate of Achievement
- Sustainable Design Certificate of Achievement
- Urban Planning Certificate of Achievement

ARCH 102 3 Units
Digital Design Media Level I
Lecture: 18 contact hours
Lab: 108 contact hours
This course introduces students to the fundamentals of representing architectural design. The class focuses on architectural drawing conventions, and uses standard architectural software to draft, document, and represent a three-dimensional design through two-dimensional drawings. Attention is drawn to the relationship between technical and presentation drawings, and the course explores and analyzes architectural presentation principles and techniques. This class introduces students to Adobe CS and AutoCAD software.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 103 3 Units
Architectural Rendering and Visual Communication
Lecture: 18 contact hours
Lab: 108 contact hours
This course serves as an introduction to three-dimensional digital modeling using three-dimensional software, and focuses on how to visually communicate design intent through a series of architectural drawings and diagrams. Different types of renderings and three-dimensional views are introduced, and resulting projects are presented using layout software. This class introduces students to Adobe CS and three-dimensional software, including Revit and Rhino.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 104 3 Units
The Built Environment: Culture, Profession, and Urbanization
Lecture: 36 contact hours
Lab: 54 contact hours
This course surveys the built environment throughout history and across different cultures and geographies worldwide. Emphasis is on the role of architecture, and allied disciplines such as urban design and planning, in enabling colonial expansion and domination of non-western cultures. This historical survey ends with an assessment and understanding of contemporary architectural practice, along with licensing pathways and academic and professional trajectories.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 105 3 Units
Design Theories, Methods, and Visualizations
Lecture: 36 contact hours
Lab: 54 contact hours
This course introduces students to the process of architectural design, exploring the built environment through different media and activities that address distinct design approaches. It includes studies of various representation techniques, media, and processes to express different design philosophies, and an introduction to the tools, techniques, and methods relevant to the design process. The course introduces students to the various scales of architectural intervention, from the dimensions of the human body all the way to the territory of the city.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 106 3 Units
Sustainability in the Built Environment
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides an interdisciplinary overview of sustainability theory and practice, focusing on their expression in the built environment from a humanities perspective. Drawing from philosophy, history, literature, aesthetics, religion, and cultural studies, this course examines how sustainability principles have guided the built environment throughout history and how different cultures across eras, geographies, and climatic regions have interpreted and implemented these strategies. Students will explore how sustainability is measured, valued, and understood by both Western and non-Western societies, including Indigenous cultures, through philosophical, ethical, and cultural lenses. Key topics include energy, infrastructure, environmental economics and policy, ethics, and cultural history.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 107 3 Units
Urban Planning: Shaping Communities through Design
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This comprehensive course describes how urban planning and design influence community development. Students will explore essential concepts such as land use, zoning, and environmental sustainability, learning how effective design contributes to creating livable, resilient, and inclusive communities. The course combines lectures, case studies, and hands-on projects, focusing on innovative strategies to address contemporary urban challenges, notably climate change and social equity. Students will gain insights into the transformative role of design in urban planning and will acquire skills to positively impact sustainable and people-centered community development.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 112 4 Units
Design Studio I
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: ARCH 105
Departmental Recommendation: ARCH 102
This introductory architecture design studio course focuses on design process, including the perceptual and physical study of space from conceptualization and form-making to visualization and presentation. Emphasis on design process includes site analysis of environmental, contextual, and cultural aspects of space, design, and the urban environment. Design investigations will focus on a small residential building for a single client that challenges students to consider the environmental and social impact of their design.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 113 4 Units
Design Studio II
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: ARCH 112
Departmental Recommendation: ENGL C1000 or ENGL C1000H and ARCH 103
This is a second-level architectural design studio with a focus on site analysis, design conceptualization and form-making, program development, and deep considerations of environmental and cultural contexts. Emphasis is on critical thinking and problem-solving through design, integrating an understanding and articulation of the role of architecture in addressing environmental, social, and climatic inequalities. Design investigations will focus on a public/cultural institution and will utilize digital software to focus on overall design strategies, structural systems, materials, space, light, and a corresponding set of project representations and physical models.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 145 3 Units
History of Architecture: Early Design through Gothic
Lecture: 54 contact hours
Departmental Recommendation: ENGL 1000 or ENGL 1000H
This course is a survey of Western architectural history from the early Egyptians through the Gothic period, in addition to the eastern architecture of India, Japan and China. The course includes a comparative study of architecture and architects with emphasis on the people, locations, structures, materials, and methods of construction and additional influences on the built environment.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 145H 3 Units
History of Architecture: Early Design through Gothic - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a survey of Western architectural history from the early Egyptians through the Gothic period, in addition to the eastern architecture of India, Japan and China. The course includes a comparative study of architecture and architects with emphasis on the people, locations, structures, materials, and methods of construction and additional influences on the built environment. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 146 3 Units
History of Architecture: Renaissance through Modern
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This is a survey course that covers the indigenous architecture in the Pre-Columbian Americas and the Western architectural history Renaissance period to modern times. This course includes a comparative study of architecture and architects with an emphasis on people, locations, structures, materials, and methods of construction.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 146H 3 Units
Architecture History: Renaissance to Modern - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This is a survey course that covers the indigenous architecture in the Pre-Columbian Americas and the Western architectural history Renaissance period to modern times. This course includes a comparative study of architecture and architects with an emphasis on people, locations, structures, materials, and methods of construction. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 202 3 Units
Digital Design Media Level II
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: ARCH 103
Building Information Modeling (BIM) is examined relative to Integrated Project Delivery methods as pertains to collaboration and communication in the design and construction of buildings and building systems. Building construction methods and materials are examined through case studies to explore the means and techniques applied to the material execution of buildings and BIM. Focus on an understanding of the organization of the design and construction process and awareness of building and zoning codes, material systems and types. This class builds on student's existing knowledge of Revit, furthering their skills in BIM and design coordination.
Associate Degree Applicable
Transfers to CSU only

ARCH 203 3 Units
Advanced Digital Media and Algorithmic Design
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: ARCH 103
Tools that are available to model design parametrically will be introduced in this class to illustrate the construction of geometrical relationships among complex shapes. Focus is on hands-on techniques that can be applied to the design process, to extend the efficiency and productivity of design work. Using design mathematics and computational definitions, students will develop digital models that they will translate into physical models. This class builds on student's existing knowledge of Rhino, furthering their skills in three-dimensional modeling and introduces students to rendering practices.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 212 4 Units
Design Studio III
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite/Corequisite: ARCH 202
Prerequisite: ARCH 113
This upper-level architectural design studio focuses on the principles and applications of environmental design in relationship to architecture, landscape architecture, and urban design and planning. The course emphasizes how sustainability and environmental considerations can be an integral part of the design process, and teaches the applicability and relevance of those considerations for questions of climate justice and equity. Design investigations will focus on a series of a multi-unit housing complex or mixed-use building on an urban site in the San Bernardino or Los Angeles region.
Associate Degree Applicable
Transfers to both UC/CSU

ARCH 213 4 Units
Design Studio IV
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite/Corequisite: ARCH 203
Prerequisite: ARCH 212
This upper-level architectural design studio integrates regulatory, site, and social considerations into a sustainable design response that addresses/mitigates climate risks. The focus is on sustainability and energy-efficiency, with a reflection on the environmental and social impact of an architectural design proposal on a given site and surrounding context. Emphasis is on multiple scales of design, from the detailed wall section and building envelope to the structural, energy, and spatial organizational system guiding the design process. Investigations will stress logical organization, craftsmanship, technical skills, vocabulary, and physical object-making through the design of complex building types. Design investigations will focus on a public building complex in a given neighborhood in the Southern California region that is facing social, environmental, and climate risks.
Associate Degree Applicable
Transfers to CSU only

3D Modeling and Design Certificate of Achievement

This certificate is designed to prepare students for entry-level employment in the fields of architecture, civil engineering, structural engineering, mechanical engineering, electrical engineering, urban planning, interior design, landscape design, manufacturing, and related fields. Computer Aided Drafting (CAD), Rhino, and Grasshopper are the primary tools used to produce and present designs in these fields. The built environment reflects society, and it impacts how people live. Therefore, this certificate incorporates contributions from historically underrepresented architects, engineers, urban planners, interior designers, and accessibility advocates. This certificate further reflects on the impact of design on underrepresented and historically excluded populations and focuses on how design processes can mitigate those impacts.

Code	Title	Units
Required Courses:		
ARCH 105	Design Theories, Methods, and Visualizations	3
ARCH 112	Design Studio I	4
ARCH 102	Digital Design Media Level I	3
ARCH 113	Design Studio II	4

ARCH 103	Architectural Rendering and Visual Communication	3
Total Units		**17**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Produce, read, and interpret two and three-dimensional design drawings, documents, and project specifications to gain meaningful information.
b. Select and generate appropriate drawing types at relevant scales, and utilizing industry conventions, for a given design problem.
c. Construct three-dimensional models using a variety of software and design techniques, and construct a range of views able to communicate design intent.
d. Analyze the impact of a design on historically underrepresented populations and on the environment and climate, and offer design variations to mitigate those impacts.

Architecture and Environmental Design Associate of Science Degree

To graduate with a specialization in Architecture and Environmental Design, a student must complete the following courses in addition to the general breadth requirements for an Associate's Degree. For transfer students, these courses will provide students with the tools needed to construct a portfolio that will be required to transfer into Architecture Programs at 4-year institutions. Along with a successful portfolio, these courses should also constitute the first two years of an Architecture Program. In addition, these courses should help students interested in transferring to 4-year institutions in Environmental Design fields, and as Landscape Architecture, Interior Design, and Urban Planning majors. Historically, the built environment has not always incorporated marginalized voices, sustainability, and environmental justice. In the US and globally, there is a long history of the built environment erasing and subjugating disenfranchised populations. This is one of many forms of structural racism. Within this degree, students will be exposed to contributions from underrepresented architects, planners, designers, and engineers that prioritize environmental sustainability, justice, equity, and accessibility. Students will also consider the impact of design on underrepresented populations and will develop tools and strategies for mitigating those impacts.

Code	Title	Units
Required Courses:		
ARCH 104	The Built Environment: Culture, Profession, and Urbanization	3
ARCH 105	Design Theories, Methods, and Visualizations	3
ARCH 112	Design Studio I	4
ARCH 113	Design Studio II	4
ARCH 102	Digital Design Media Level I	3
ARCH 103	Architectural Rendering and Visual Communication	3
ARCH 146	History of Architecture: Renaissance through Modern	3
or ARCH 146H	Architecture History: Renaissance to Modern - Honors	
ARCH 212	Design Studio III	4
ARCH 213	Design Studio IV	4
ARCH 202	Digital Design Media Level II	3
ARCH 203	Advanced Digital Media and Algorithmic Design	3
Total Units		**37**

Code	Title	Units
Recommended Courses:		
ARCH 145	History of Architecture: Early Design through Gothic	3
or ARCH 145H	History of Architecture: Early Design through Gothic - Honors	

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Express a general breadth of architectural and environmental knowledge using verbal, written and a variety of graphic techniques.
b. Apply design principles to the analysis or development of two- and three-dimensional design.
c. Present two- and three-dimensional design project solutions explaining their problem-solving procedure utilizing a variety of verbal and graphic techniques, paying particular attention to the potential impact of design on historically underrepresented populations and offering design solutions to mitigate those impacts.
d. Relate the impact of various influences to the development of architectural characteristics and styles.
e. Possess an awareness of relationships among allied fields.
f. Analyze the US and global history of building and urban designs that benefitted some populations at the expense of others. Contrast this with more recent building and urban designs that incorporate previously marginalized voices, environmental sustainability, environmental justice, and accessibility.

Building Information and 3D Modeling Certificate of Achievement

This certificate is designed to prepare students for entry-level employment in the fields of architecture, civil engineering, structural engineering, mechanical engineering, electrical engineering, urban planning, interior design, landscape design, manufacturing, construction, and related fields. Computer Aided Drafting (CAD), Rhino, Grasshopper, and REVIT are the primary tools used to produce and present documents in these fields. The built environment reflects society, and it impacts how people live. Therefore, this certificate incorporates contributions from historically underrepresented architects, engineers, urban planners, interior designers, and accessibility advocates.

Code	Title	Units
Required Courses:		
ARCH 105	Design Theories, Methods, and Visualizations	3
ARCH 112	Design Studio I	4
ARCH 102	Digital Design Media Level I	3
ARCH 103	Architectural Rendering and Visual Communication	3
ARCH 202	Digital Design Media Level II	3
Total Units		**16**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Produce, read, and interpret two and three-dimensional design drawings, documents, and project specifications to gain meaningful information.
b. Select and generate appropriate drawing types at relevant scales, and utilizing industry conventions, for a given design problem.
c. Demonstrate the ability to mechanically construct a variety of drawings at appropriate scales utilizing Building Information Management (BIM) and modeling techniques.
d. Construct three-dimensional models using a variety of software and design techniques, and construct a range of views able to communicate design intent.
e. Analyze the impact of a design on historically underrepresented populations and on the environment and climate, and offer design variations to mitigate those impacts.

Building Information Management (BIM) Certificate of Achievement

This certificate is designed to prepare students for entry-level employment in the fields of architecture, civil engineering, structural engineering, mechanical engineering, electrical engineering, urban planning, interior design, landscape design, manufacturing, construction management, and related fields. Computer Aided Drafting (CAD) and Building Information Management (BIM) are the primary tools used to produce and present documents in these fields. The built environment reflects society, and it impacts how people live. Therefore, this certificate incorporates contributions from historically underrepresented architects, engineers, urban planners, interior designers, and accessibility advocates. This certificate further reflects on the impact of design on underrepresented and historically excluded populations and focuses on how design processes can mitigate those impacts.

Code	Title	Units
Required Courses:		
ARCH 105	Design Theories, Methods, and Visualizations	3
ARCH 112	Design Studio I	4
ARCH 102	Digital Design Media Level I	3
ARCH 103	Architectural Rendering and Visual Communication	3
ARCH 202	Digital Design Media Level II	3
ARCH 203	Advanced Digital Media and Algorithmic Design	3
Total Units		**19**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Produce, read, and interpret two and three-dimensional design drawings, documents, and project specifications to gain meaningful information.
b. Select and generate appropriate drawing types at relevant scales, and utilizing industry conventions, for a given design problem.
c. Demonstrate the ability to mechanically construct a variety of drawings at appropriate scales utilizing Building Information Management (BIM) and modeling techniques.
d. Analyze the impact of a design on historically underrepresented populations and on the environment and climate, and offer design variations to mitigate those impacts.

Sustainable Design Certificate of Achievement

The Sustainable Design Certificate is an innovative program that integrates principles of sustainability with practical design applications, Geographic Information Systems (GIS), and interdisciplinary knowledge from geography and environmental studies. This program is designed for students seeking to make a tangible impact on the built and natural environments through sustainable design practices.

Code	Title	Units
Required Courses:		
ARCH 106	Sustainability in the Built Environment	3
ARCH 112	Design Studio I	4
ARCH 113	Design Studio II	4
GEOG 102	Cultural Geography	3
or ENVSCI 100	Introduction to Environmental Science	
GEOG 114	Weather and Climate	4
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply fundamental principles of sustainability to the design and assessment of buildings, communities, and urban spaces.
b. Utilize GIS tools to analyze spatial data and contribute to informed decision-making in sustainable design projects.
c. Evaluate the environmental impacts of design and construction materials and propose sustainable alternatives.
d. Identify sustainability and design topics, and assess the importance of sustainable practices in various contexts.

e. Engage with community stakeholders in the planning and implementation of sustainable design initiatives.

Urban Planning Certificate of Achievement

The Urban Planning Certificate is designed to equip students with the knowledge and skills necessary to confront the pressing challenges of today's urbanized world. This program addresses the growing demand for skilled urban planners who can navigate complex issues such as climate change, urban sprawl, and social inequities. Our curriculum merges theoretical insights with practical application, and focuses on sustainable, eco-friendly, and people-centered urban planning and design principles.

Code	Title	Units
Required Courses:		
ARCH 104	The Built Environment: Culture, Profession, and Urbanization	3
ARCH 105	Design Theories, Methods, and Visualizations	3
ARCH 106	Sustainability in the Built Environment	3
ARCH 107	Urban Planning: Shaping Communities through Design	3
GEOG 130	Introduction to Geographic Information Systems (GIS)	3
or GIS 130	Introduction to Geographic Information Systems (GIS)	
GIS 135	Spatial Analysis with GIS	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop urban plans that reflect an integrated approach to sustainability and environmental stewardship.
b. Apply people-centered design principles to create inclusive and equitable urban spaces.
c. Utilize Geographic Information Systems (GIS) and methods to formulate adaptable urban planning solutions.
d. Evaluate urban planning practices within both global and local contexts, applying best practices appropriately.
e. Demonstrate professional readiness through the development of a comprehensive portfolio and engagement with the urban planning community.

Art

The study of art involves both an appreciation of the cultural heritage of art and the development of skills. Consequently, the Art Department offers art history courses and studio courses in drawing, 2D and 3D design, ceramics, painting, life drawing, typography, graphic design principles and digital practices, design thinking, beginning 3D digital animation and visualization, web and interactive web design, digital photography, sculpture, design in glass, and glassblowing. In addition to associate degrees in art and graphic design, the department offers two certificates in graphic design and web and multimedia design, designed for students seeking employment in design, advertising, and entertainment. A baccalaureate degree in art qualifies students for fine arts, industry, and education jobs. Students planning to transfer to a four-year institution and major in art should consult a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Arts and Humanities (NH - 223)

Division Phone Number: (909) 384-8633

Division Dean: Nori Sogomonian (nsogomon@sbccd.edu), Ed.D.

Department Office: Gresham Gallery

Faculty Chair: Mandi Batalo (mbatalo@sbccd.edu), Ed.D.

Counselor Liaisons:

- Tahirah (Ty) Simpson (tsimpson@sbccd.edu), M.S.Ed., PPS
- Michelle Tinoco (mtinoco@sbccd.edu), M.A.

- Art Associate of Arts Degree
- Artistic Glass and Design Certificate of Achievement
- Gallery Management Certificate of Achievement
- Graphic Design Associate of Arts Degree
- Graphic Design Certificate of Achievement
- Studio Arts Associate in Arts for Transfer Degree
- Web and Multimedia Design Certificate of Achievement

ART Courses

ART 098 0.5-4 Units
Art Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

ART 120 3 Units
Two-Dimensional Design
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The course is an introduction to basic principles, components, and terminology of two-dimensional design common in the visual arts. Course topics include the principles of design, elements of design, color theory, and an exploration of the creative process.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTS 100

ART 121 3 Units
Three-Dimensional Design
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ART 120 and ENGL C1000 or ENGL C1000H
This course is a study in the elements and principles of three-dimensional design. The focus is on concepts and their application with regards to spatial relationships and composition. Experimentation is in natural and synthetic materials such as but not limited to paper, clay, wood, plaster, and metal.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTS 101

ART 124A 3 Units
Beginning Drawing
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The course is a progressive study of form, space, and concept employing a wide range of subject matter and traditional drawing media. Instruction focuses on perceptually based drawing, observational abilities and creative responses to traditional drawing materials and subject matter. Topics include the theory and analysis of perspective in two- and three-dimensional composition such as the various means of representing three-dimensional forms in space through aerial and linear perspective.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTS 110

ART 124B 3 Units
Intermediate Drawing
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 124A
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a review of essential concepts of drawing and the development of intermediate-level drawing skills. The focus of instruction will be on the development of an individual thematic approach to drawing and study of complex subject matter, advanced compositional concerns, advanced color theory, traditional and experimental drawing media and surfaces.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTS 205

ART 124C 3 Units
Advanced Drawing
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 124B
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This class focuses on how to develop an original body of drawings in various subjects, media and surfaces that reflects knowledge of advanced drawing techniques with a focus on preparing their portfolio for upper division courses at the university and college level and display in the gallery environment. Typical subjects covered in this class will include developing a body of original artwork that expresses the students personal style, portfolio development for upper division coursework, gallery preparation, presentation of finished artwork with appropriate matting and framing, and writing a formal artist statement.
Associate Degree Applicable
Transfers to both UC/CSU

ART 126A 3 Units
Beginning Painting
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The course is a progressive study of the fundamentals of painting and painting materials including techniques of composition, color theory, brushwork, and technique, as well as creative responses to materials and subject matter. Topics include the appropriate use of traditional color theory with artistic brush application on prepared surfaces.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTS 210

ART 126B 3 Units
Intermediate Painting
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 126A
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a review of essential concepts and skills of painting and the development of intermediate-level painting skills. Development of original concepts for painting and the study of complex subject matter, advanced compositional concerns, using alternative and experimental surfaces and media.
Associate Degree Applicable
Transfers to both UC/CSU

ART 126C 3 Units
Advanced Painting
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 126B
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will focus on the development of an original body of paintings in various subjects, media and surfaces that reflects the student's knowledge of advanced painting techniques with an emphasis on preparing their portfolio for upper division courses at the university and college level and display in the gallery environment.
Associate Degree Applicable
Transfers to both UC/CSU

ART 132A 3 Units
Beginning Life Drawing
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The course is an introduction to drawing the human figure and anatomy from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy, contour, proportions, gesture, and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Drawings are based on a live nude model.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTS 200

ART 132B 3 Units
Intermediate Life Drawing
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 132A
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a review of essential concepts of figure drawing and development of intermediate-level figure drawing skills with an emphasis on accurate analysis of anatomy, essential structure and further use of traditional and non-traditional drawing materials and surfaces. The student will develop a portfolio of completed figure drawings with an emphasis on the study of advanced compositional concerns. Drawings are based on a live nude model.
Associate Degree Applicable
Transfers to both UC/CSU

ART 132C 3 Units
Advanced Life Drawing
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 132B
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a continuation of Art 132B. In this class students will develop an original body of life drawings in various media and surfaces that reflect their knowledge of advanced life drawing techniques with a focus on preparing their portfolio for upper division courses at the university and college level and display in the gallery environment. Typical subjects covered in this class will include developing a body of original artwork that expresses the students personal style, portfolio development for upper division coursework, gallery preparation, presentation of finished artwork with appropriate matting and framing, and writing a formal artist statement. Drawings are based on a live nude model.
Associate Degree Applicable
Transfers to both UC/CSU

ART 144 3 Units
Typography and Visual Communication
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ART 148
This course is an introduction to the study of letter forms and fundamental typographic principles and vocabulary with an emphasis on the application to visual communication artifacts. Students investigate typographical structure, format, legibility, and meaning-making through traditional and digital projects, and explore the evolution and classification of letter forms from an historical perspective, including the importance of emerging technology in their development.
Associate Degree Applicable
Transfers to both UC/CSU

ART 145 3 Units
Introduction to Digital Applications for Graphic Design
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course focuses on the fundamental use of computer technology and design software in the production of visual communication and image-based solutions. Students learn to design, analyze, discuss, and present work in a professional digital environment.
Associate Degree Applicable
Transfers to both UC/CSU

ART 148 3 Units
Fundamental Graphic Design Principles and Digital Practices
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to the fundamental concepts, principles, practices, and theories applied to the creation of compositional space. Students will explore the integration of design elements and principles, color theory, composition, typography, visual communication, and visual logic, as they relate to design disciplines and professional practices.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTS 250

ART 149 3 Units
Design Thinking in Visual Communication
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 148
This course applies design and production techniques in the development of ideas and user-centered concept visualizations with an emphasis on utilizing more advanced software. Students will explore complex problems utilizing the Design Thinking methodology, including empathy, define, point of view, ideate, rapid prototype, and test, in the creation of 2D and 3D artifacts.
Associate Degree Applicable
Transfers to both UC/CSU

ART 161 3 Units
Digital Photography
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This introductory course focuses on photography as a creative medium. Emphasis in the course is on aesthetics, composition, content, technical and creative skills required to make effective images using digital cameras and computer software. Students also critically evaluate photographic images according to the principles of photographic theory. Students will supply their own camera.
Associate Degree Applicable
Transfers to both UC/CSU

ART 175A 3 Units
Beginning Sculpture
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Various sculpture methods are practiced with attention to creative self-expression and historical context.
Associate Degree Applicable
Transfers to both UC/CSU

ART 175B 3 Units
Intermediate Sculpture
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 175A
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is the study of intermediate level sculpture techniques relating to three dimensional composition, spatial relationships, and imagery, with a focus on modeling techniques in clay and mixed media construction. A continued focus of attention to creative self-expression within both a historical and contemporary context is emphasized.
Associate Degree Applicable
Transfers to both UC/CSU

ART 175C 3 Units
Advanced Sculpture
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 175B
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course focuses on how to develop an original body of sculptural objects that reflects knowledge of advanced sculptural techniques. Students prepare their portfolio for upper division courses at the university and college level and display in the gallery environment. Typical subjects covered in this class will include developing a body of original artwork that expresses the students' personal style, portfolio development for upper division coursework, gallery preparation, and writing a formal artist statement.
Associate Degree Applicable
Transfers to both UC/CSU

ART 185 3 Units
Beginning Website Design
Lecture: 36 contact hours
Lab: 54 contact hours
This course focuses on the elements of website production, including eXtensible HyperText Markup Language (XHTML) and Cascading Style Sheets (CSS). The course emphasizes preparing web content and designing website layouts in Adobe DreamWeaver. Practical and theoretical understanding of problems related to digital technologies are presented.
Associate Degree Applicable
Transfers to CSU only

ART 186 3 Units
Interactive Web Design
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 185
This course focuses on designing and creating websites and mobile apps for multiple screen devices while highlighting the user experience. Emphasis is on design concepts, user-interaction, understanding of structure, memory management, web media impact and social media marketing.
Associate Degree Applicable
Transfers to CSU only

ART 212A 3 Units
Beginning Ceramics
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course in an introduction to ceramics materials, concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. The course covers aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures.
Associate Degree Applicable
Transfers to both UC/CSU

ART 212B 3 Units
Intermediate Ceramics
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 212A
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course builds on and extends skills and abilities students gain from the introduction course. Emphasis is placed on projects that require students to collaborate and explore a wide variety of topics. Students will use methods and fabrication techniques that are focused on production and have commercial applications.
Associate Degree Applicable
Transfers to both UC/CSU

ART 212C 3 Units
Intermediate/Advanced Ceramics
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 212B
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course focuses on the science of ceramic art. Students will study, classify, and understand information/data related to the history and chemistry of clay and glazes. They will learn classic methods of compounding glazes by mathematical and chemical calculation; deducing facts and basic principles essential to glaze analysis of constituent materials. Under supervision students will experiment, assess and gain knowledge that applies to the maintenance, operation, and controlled results of firing kilns.
Associate Degree Applicable
Transfers to both UC/CSU

ART 212D 3 Units
Advanced Ceramics
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 212C
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course examines ideas, activities, and circumstances that lead to pre-professional ends with an emphasis on developing a personal style and artistic vision. Demonstrations of advanced levels with a focus on portfolio development along with studio operations will be explored. This course is designed for the advanced student who is motivated to pursue a professional path. A written analysis of a current ceramic exhibition is required.
Associate Degree Applicable
Transfers to both UC/CSU

ART 222 1-3 Units
Independent Study in Art
DIR: 54 contact hours
Students with previous coursework in art may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of art. Prior to registration, a written contract must be prepared jointly by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

ART 240A 3 Units
Beginning Glassblowing
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a beginning study of glass working techniques, including designing and producing vessel and sculptural forms in hot glass. Emphasis is on exploration of color, hot applications, team work, repeatable forms, sandblasting, cold working/fabrications, and non-conventional methods.
Associate Degree Applicable
Transfers to both UC/CSU

ART 240B 3 Units
Intermediate Glassblowing
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 240A
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an intermediate study of hot glassworking techniques with an emphasis on developing and refining skills based on design and form. Demonstrations of intermediate techniques include team glassblowing, use of molds and repeatable forms, geared towards acquiring competence in studio management and production.
Associate Degree Applicable
Transfers to both UC/CSU

ART 240C 3 Units
Intermediate/Advanced Glassblowing
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 240B
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an intermediate/advanced study of glassworking techniques with an emphasis on the exploration of color design. Demonstrations of advanced color techniques will include graal, encalmo,cone work (Filigrana, Zanfirico) and murrin.
Associate Degree Applicable
Transfers to both UC/CSU

ART 240D 3 Units
Advanced Glassblowing
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 240C
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an advanced study of glassblowing techniques. This class uses glass as an integral part of the artistic vision. Students will observe demonstrations and work both individually and within groups to develop a body of work. Emphasis is on exploration, personal narrative, both traditional and non-conventional glassblowing methods, installations, etc.
Associate Degree Applicable
Transfers to both UC/CSU

ART 260 3 Units
Museum and Gallery Practices
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will discuss the history of museums and their present and future. Students will acquire a comprehensive foundation in exhibition design, collections management, public programming, and administration. They will enter contemporary debates surrounding the responsibility of the 21st-century museum alongside the exploration of standards and best practices. This introductory class will give students a general understanding of what goes into making and running a museum and the roles they can play in society. Students can anticipate understanding what the museum is, the role of external forces and stakeholders, and insight into the factors of running a museum or gallery today.
Associate Degree Applicable
Transfers to CSU only

ART 261 3 Units
Introduction to Arts Administration
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will introduce the business of the arts, providing an overview of the careers in arts management, the type of work that arts managers do, and the current issues and trends impacting arts management professionals. The arts and cultural fields are increasingly collaborative and cross-disciplinary. Consequently, this course will draw on foundational professional business skills while developing creativity in understanding and presenting arts. The arts can shape individuals, engage current social issues, and build communities. Art administrators are expected to deliver a well-balanced approach to facilitate the arts sustainably and equitably. Designed with a strong emphasis on the practical skills required for the successful management of public, private, and commercial art institutions in the field, we will study, consider, and discuss examples of successful art projects, learn about not-for-profit structures, audience development, budgeting, and marketing, and understand how to plan, organize, and realize art events, projects, and exhibitions.
Associate Degree Applicable
Transfers to CSU only

ART 262 3 Units
Marketing the Arts
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will introduce students to the role of the arts marketer's responsibility to bridge the gap between art audiences, markets, and communities. Designed with a focus on the fundamental concepts and their practical implementation, topics of study will include targeting audiences; developing print and online campaigns; designing, writing, implementing, and distributing promotional materials; and public image enhancement through community relations, strategic partnerships, grassroots initiatives, press coverage, promotion, merchandising, sponsorship and enacting special events. Discussion of examples and cases will help illustrate theory applications and the full spectrum of the art experience from the audience's perspective.
Associate Degree Applicable
Transfers to CSU only

ART 263 3 Units
Global Cultures: Seeing the World
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course invites students to critically examine how cultures have been analyzed and valued around the world. Students will closely study how groups make meanings from objects and practices to understand better how to see, visualize, and interpret the globe and engage with urgent social, cultural, and political issues. Key concepts such as race, gender, language, and migration will be discussed, deepening foundational knowledge of global objects and practices, including painting, sculpture, metalwork, architecture, installations, exhibitions, advertisements, photography, film and performance.
Associate Degree Applicable
Transfers to CSU only

ART 264 3 Units
Gallery Management Certificate Practicum
Lecture: 18 contact hours
Lab: 108 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This practicum course allows the student to apply knowledge and develop professional skills while interacting with other professionals in a gallery, museum, or arts and culture collaborative. Students mentor with professionals at institutions and are expected to complete 80 contact hours at the assigned placement and participate in weekly meetings with the faculty supervisor. Students conduct research applying a JEDI (justice, equity, diversity and inclusion), DEAI (Diversity, Equity, Accessibility, and Inclusion), or cultural studies lens to assess areas of their institution. Areas of professional experience and of research may include but are not limited to: Communications and Marketing; Education; Curation; Design; Conservation and Restoration; Registrar; Management; Development; Visitor Services and Public Programming. This course is required for the Gallery Management Certificate of Achievement.
Associate Degree Applicable
Transfers to CSU only

ART 270A 3 Units
Beginning Design in Glass
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of beginning glass-working techniques. Topics include producing functional, decorative, and sculptural forms in kiln-fired glass; composition in two dimensions using fusion/lamination of colored glass elements; and lampworked beads.
Associate Degree Applicable
Transfers to both UC/CSU

ART 270B 3 Units
Intermediate Design in Glass
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 270A
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of intermediate glass-working techniques. Topics include designing and producing increasingly complex projects, techniques in fused glass, kiln controls, forming lost wax molds, and increasing complex soldering and lampworking.
Associate Degree Applicable
Transfers to both UC/CSU

ART 270C 3 Units
Intermediate/Advanced Design in Glass
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 270B
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of intermediate/advanced glass-working techniques. Topics include designing and producing increasingly complex projects, using different compatible materials, experimental techniques, monitoring live slumping of glass and cold-working glass.
Associate Degree Applicable
Transfers to both UC/CSU

ART 270D 3 Units
Advanced Design in Glass
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ART 270C
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of advanced glass-working techniques. Topics include advanced mold making, casting glass, communication of creative ideas, demonstration of critical thinking skills, establishing theme and applying appropriate finishing techniques.
Associate Degree Applicable
Transfers to both UC/CSU

ART 280 3 Units
Beginning 3D Digital Animation and Visualization
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ART 145 and ART 148 and ART 149
This course focuses on beginning techniques in storytelling in the 3D environment. Students apply research, planning, scripting and storyboarding techniques, 3D design, rendering, key frame animation, and lighting utilizing industry-standard applications (software).
Associate Degree Applicable
Transfers to CSU only

ART 610 Noncredit
Digital Imaging With Drones
Lecture: 54 contact hours
Departmental Recommendation: AERO 660
This hands-on noncredit course covers using drones for digital imaging, photography, and cinematography. The course covers safety precautions, team collaboration, mission planning, common video movements, high-resolution image capture, and editing. Students should anticipate participating in one or more field trips. Students must obtain a recreation drone license. The Recreational UAS Safety Test (TRUST) and provide proof of test passage before or during the first two weeks of the course. Students will supply their camera-equipped drones.

Art History Courses (ARTH)

ARTH C1100 3 Units
Survey of Art from Prehistory to the Medieval Era
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions. (Formerly ART 100)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTH 110

ARTH C1200 3 Units
Survey of Art from the Renaissance to Contemporary
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. (Formerly ART 102)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTH 120

ARTH C1200H 3 Units
Survey of Art from the Renaissance to Contemporary - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. This is an honors course. (Formerly ART 102H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTH 120

ARTH 103 3 Units
Art Appreciation
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The course is an introduction to two- and three-dimensional art from a multicultural perspective. Art in a historical and worldwide context, the function of art in society, art processes, and visual vocabulary are examined. Students will develop an increased appreciation of the differences and similarities among the styles, content, and expression of world art. (Formerly ART 103)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTH 100

ARTH 105 3 Units
History of Modern Art
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a survey of the major stylistic movements, ideologies, and artists that comprise the Modern period in art from the 19th century through the 20th century. Traditional art forms and newer media are discussed, especially in relation to technological, cultural, political, racial and social histories. (Formerly ART 105)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTH 150

ARTH 107 3 Units
Art History: Africa, Oceania and the Americas
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The course provides a survey of art from Africa, Oceania and the Americas. This includes an examination of the religious and social factors influencing art, artifacts, and architecture. (Formerly ART 107)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ARTH 140

ARTH 108 3 Units
Art of Mexico and Mesoamerica
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The course is a survey of Mexican and Mesoamerican art from Precolumbian times through the 21st century. Art will be evaluated and critiqued on historical content, subject matter, and aesthetics. (Formerly ART 108)
Associate Degree Applicable
Transfers to both UC/CSU

Art Associate of Arts Degree

The Associate of Arts Degree in Art offers a focused approach towards artistic practice and critical thinking through a variety of studio arts and art history courses, including two- and three-dimensional design, ceramics, glass blowing, design in glass, digital art and design, drawing and painting, life drawing, photography and sculpture. Emphasis throughout the curriculum will be placed on individual creativity, aesthetic awareness, and an understanding of the visual arts in societies past and present.

Code	Title	Units
Required Courses:		
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ART 120	Two-Dimensional Design	3
ART 124A	Beginning Drawing	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
ART 161	Digital Photography	3
ART 126A	Beginning Painting	3
or ART 132A	Beginning Life Drawing	
Art History - Choose One:		**3**
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200H	Survey of Art from the Renaissance to Contemporary - Honors	
ARTH 103	Art Appreciation	3
ARTH 105	History of Modern Art	3
ARTH 107	Art History: Africa, Oceania and the Americas	3
ARTH 108	Art of Mexico and Mesoamerica	3
Design - Choose One:		**3**
ART 121	Three-Dimensional Design (One of the following Design courses:)	3
ART 175A	Beginning Sculpture	3
ART 212A	Beginning Ceramics	3
Total Units		**24**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Integrate drawing and design skills into their aesthetic sensibility.
b. Describe the evolution of art history.
c. Demonstrate skill in the use of basic tools, techniques, and processes to work from concept to finished product.
d. Use basic materials and procedures in 2D and 3D media.

Artistic Glass and Design Certificate of Achievement

The Artistic Glass and Design Certificate provides students with a comprehensive and well-rounded education in glassmaking, equipping them with the technical and creative skills necessary for entry into the art glass industry. Through a structured progression of courses, students gain hands-on experience in glassblowing, kiln-formed glass, lampworking, and coldworking techniques, ensuring a broad and versatile skill set.

With an emphasis on both functional and sculptural applications, students develop proficiency in color application, mold-making, team collaboration, and advanced decorative techniques such as graal, encalmo, cane work, and murrine. Additional coursework covers kiln-firing processes, glass casting, lost wax methods, and experimental design approaches.

Code	Title	Units
Required Courses:		
ART 240A	Beginning Glassblowing	3
ART 270A	Beginning Design in Glass	3
ART 240B	Intermediate Glassblowing	3
ART 270B	Intermediate Design in Glass	3
One Course Sequence from the Following:		
ART 240C & ART 240D	Intermediate/Advanced Glassblowing and Advanced Glassblowing	6
ART 270C & ART 270D	Intermediate/Advanced Design in Glass and Advanced Design in Glass	6
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate technical proficiency in glassmaking, including hot glass techniques (glassblowing) and kiln-formed glass processes.
b. Apply design principles and critical thinking to create functional and sculptural glasswork.
c. Utilize professional studio practices, safety protocols, and production techniques in glassmaking environments.
d. Effectively communicate artistic intent through critiques, presentations, and written analysis.
e. Integrate diverse cultural and artistic traditions in glassmaking, fostering an inclusive and informed creative practice.
f. Develop advanced color and decorative applications, including cane work, murrine, encalmo, and layering techniques.
g. Incorporate coldworking and finishing methods to refine and enhance glass objects.
h. Create and execute complex, multi-step glass projects that showcase both technical mastery and conceptual depth.
i. Demonstrate collaborative skills in team-based glass production, assisting and working alongside peers in a professional studio setting.
j. Prepare a portfolio of original glasswork that demonstrates artistic growth and readiness for careers or further education in the art glass industry.

Gallery Management Certificate of Achievement

The Gallery Management Certificate is an innovative program combining arts studies with professional experience in museums and commercial enterprises. It prepares students to engage responsibly with diverse communities, promote equitable and inclusive practices, and reflect a broad range of cultural perspectives in their professional work.

Code	Title	Units
Required Courses:		
ARTH 103	Art Appreciation	3
ART 260	Museum and Gallery Practices	3
ART 261	Introduction to Arts Administration	3
ART 262	Marketing the Arts	3
ART 263	Global Cultures: Seeing the World	3
ART 264	Gallery Management Certificate Practicum	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop an understanding of gallery and museum practice and theory, in both historical and contemporary contexts as well as art galleries.
b. Demonstrate direct experience of practices, procedures and policies in the contemporary galleries, museums, and cultural venues and apply skills and ideas learned in one context to another, while aware of the unique complexity of the issue at hand.
c. Contribute to the care, use and understanding of gallery and museum objects and collections, the organization of exhibition schedules, and development of programming.
d. Plan and deliver presentations, critically evaluate information, work effectively within a team and communicate ideas effectively in a professional and academic environment.
e. Apply inclusive and equitable approaches to exhibition design, collections management, audience engagement, and institutional policies, fostering environments that represent and respect diverse communities and perspectives.

Graphic Design Associate of Arts Degree

The Graphic Design Associate of Arts Degree emphasizes skills for entry level employment in advertising agencies, print houses, design studios, freelance work, and related businesses. It also prepares students to apply to a four-year institution leading to a baccalaureate degree or into a professional art school with a graphic design emphasis.

Code	Title	Units
Required Courses:		
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ART 144	Typography and Visual Communication	3
ART 145	Introduction to Digital Applications for Graphic Design	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
ART 149	Design Thinking in Visual Communication	3
ART 186	Interactive Web Design	3
ART 161	Digital Photography	3
ART 280	Beginning 3D Digital Animation and Visualization	3
One Art History Course from the following:		**3**
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200H	Survey of Art from the Renaissance to Contemporary - Honors	
ARTH 105	History of Modern Art	3
ARTH 107	Art History: Africa, Oceania and the Americas	3
ARTH 108	Art of Mexico and Mesoamerica	3
Total Units		**27**

Code	Title	Units
Recommended Courses:		
ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
ART 124A	Beginning Drawing	3
ART 126A	Beginning Painting	3
ART 132A	Beginning Life Drawing	3
ART 185	Beginning Website Design	3
BUSAD 100	Introduction to Business	3

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Integrate drawing and design skills into their aesthetic sensibility.
b. Describe how art history impacts design solutions.
c. Analyze a design problem and develop a solution.

d. Use basic concepts, tools, and techniques of digital media to produce art works concept to finished product.
e. Apply technical and design standards for digital media.
f. Evaluate and edit a portfolio that demonstrates preparation for work as an entry-level production artist or graphic designer.

Graphic Design Certificate of Achievement

The Graphic Design Certificate prepares students for entry-level jobs as graphic designers and for those who are looking for experience with industry level design programs.

Code	Title	Units
Required Courses:		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000	Academic Reading and Writing - Honors	
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ART 144	Typography and Visual Communication	3
ART 145	Introduction to Digital Applications for Graphic Design	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
ART 149	Design Thinking in Visual Communication	3
ART 161	Digital Photography	3
ART 186	Interactive Web Design	3
ART 280	Beginning 3D Digital Animation and Visualization	3
One Art History Course from the following:		**3**
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200	Survey of Art from the Renaissance to Contemporary - Honors	
ARTH 105	History of Modern Art	3
ARTH 107	Art History: Africa, Oceania and the Americas	3
ARTH 108	Art of Mexico and Mesoamerica	3
Total Units		**43**

Code	Title	Units
Recommended Courses:		
ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
ART 124A	Beginning Drawing	3
ART 126A	Beginning Painting	3
ART 132A	Beginning Life Drawing	3
ART 185	Beginning Website Design	3
BUSAD 100	Introduction to Business	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Integrate design skills into their aesthetic sensibility.
b. Describe how art history impacts design solutions.
c. Use basic concepts, tools, and techniques of digital media to produce art works concept to finished product.
d. Apply technical and design standards for digital media.
e. Assemble a portfolio that demonstrates preparation for work as an entry-level production artist or graphic designer.

Studio Arts Associate in Arts for Transfer Degree

The Associate of Arts for Transfer (AA-T) in Studio Arts develops a well-rounded artist. Students who pursue this degree will have guaranteed admission to a California State University (CSU) campus upon successful completion of the specified program requirements. This degree provides students with transfer preparation and pre-professional training. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Studio Arts AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Studio Arts should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200	Survey of Art from the Renaissance to Contemporary - Honors	
ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
ART 124A	Beginning Drawing	3
List A - One course:		
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH 105	History of Modern Art	3
ARTH 107	Art History: Africa, Oceania and the Americas	3
ARTH 108	Art of Mexico and Mesoamerica	3
List B - Three courses:		
ART 132A	Beginning Life Drawing	3
or ART 124B	Intermediate Drawing	
ART 126A	Beginning Painting	3

ART 145	Introduction to Digital Applications for Graphic Design	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
ART 161	Digital Photography	3
ART 175A	Beginning Sculpture	3
ART 212A	Beginning Ceramics	3
ART 240A	Beginning Glassblowing	3
ART 280	Beginning 3D Digital Animation and Visualization	3

Code	Title	Units
Major Total Units		**24**
Total Double-Counted Units		**3**
General Education (Cal-GETC) Units		**34**
Elective Units		**5**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Articulate ideas utilizing art terminology for critical discussion.
b. Demonstrate proficient technical and creative skills with a variety of art materials.
c. Effectively develop concepts into physical form.
d. Describe and discuss art in its aesthetic, cultural and historical context.

Web and Multimedia Design Certificate of Achievement

The Web and Multimedia Design Certificate provides students with a strong foundation in digital media allowing them to adapt and respond to dynamic trends in web technologies. In this certificate program students engage in practical, hands-on, realistic projects. The program provides students with the entry level competencies for employment as a Web Developer or other position which requires knowledge to produce a variety of computer, Web, and/or multimedia graphics.

Code	Title	Units
Required Courses:		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000	Academic Reading and Writing - Honors	
ART 120	Two-Dimensional Design	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
ART 161	Digital Photography	3
ART 185	Beginning Website Design	3
ART 186	Interactive Web Design	3
One course from the following:		**3**
ART 149	Design Thinking in Visual Communication	
ART 280	Beginning 3D Digital Animation and Visualization	
BUSAD 100	Introduction to Business	
Art History - choose one:		**3**
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200	Survey of Art from the Renaissance to Contemporary - Honors	
ARTH 105	History of Modern Art	3
ARTH 107	Art History: Africa, Oceania and the Americas	3
ARTH 108	Art of Mexico and Mesoamerica	3
Total Units		**25**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Integrate design skills into their aesthetic sensibility.
b. Describe how art history trends affect web design today.
c. Use basic concepts, tools, and techniques of digital media to produce art works concept to finished product.
d. Choose the appropriate technical standards for design, typography and animation on the web.
e. Develop an online portfolio that demonstrates preparation for work as an entry-level web designer.

Astronomy

Astronomy is the study of the vast universe around us. We start with the Earth and sweep outward past the moon to the planets of the solar system and our sun, one of the billions of stars in our galaxy. On our journey through the universe, we explore an exciting realm populated by black holes, quasars, red giants, white dwarfs, and more. Astronomy is taught in a modern planetarium, which accurately simulates the nighttime sky, showing the positions and motions of the stars and planets. The real sky can be viewed through the sixteen-inch reflector telescope at the N. A. Richardson Astronomical Observatory. Students planning to transfer to a four-year institution and major in astronomy should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chair: Anna Tolstova (atolstov@sbccd.edu), M.S.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Astronomy Associate of Science Degree

ASTR C1001 3 Units
Introduction to Astronomy
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course introduces fundamental concepts of astronomy, including the Solar System, stars, supernovae, galaxies, black holes, and the expanding universe. Students learn how to study the cosmos and what the latest discoveries reveal about the origins and fate of the universe. (Formerly ASTRON 120)
Associate Degree Applicable
Transfers to both UC/CSU

ASTR C1001L 1 Unit
Introduction to Astronomy Lab
Lab: 54 contact hours
Corequisite: Completion of or concurrent enrollment in ASTR C1001 or other locally approved astronomy lecture course.
This laboratory course reinforces fundamental principles and concepts of astronomy by applying the scientific method through experiments, observations, and/or simulations. (Formerly ASTRON 125)
Associate Degree Applicable
Transfers to both UC/CSU

ASTR 222 1-3 Units
Independent Study in Astronomy
DIR: 54 contact hours
Prerequisite: ASTR C1001
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
Students with previous course work in Astronomy may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Astronomy. Prior to registration, a written contract must be prepared jointly by the instructor and the student. (Formerly ASTRON 222)
Associate Degree Applicable
Transfers to CSU only

Astronomy Associate of Science Degree

To graduate with a specialization in Astronomy, students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum 60 semester units).

Code	Title	Units
Required Courses:		
ASTR C1001	Introduction to Astronomy	3
ASTR C1001L	Introduction to Astronomy Lab	1
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
MATH 252	Multivariable Calculus	5
PHYSIC 202	Physics I	4
Total Units		**21**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Describe how models of the Universe evolve based on observations.
b. Demonstrate general knowledge of physical and astronomical concepts and principles that govern the behavior, properties and evolution of planets, stars, galaxies, and the universe.
c. Demonstrate skills in analyzing and interpreting observation data in astronomy.

Automotive Collision and Repair

The Collision Department program offers students high technology training and skills that may be utilized for immediate employment after certificate completion. Students will receive training in various subjects including basic body repair, spray gun technics, MIG welding, structural repair, vehicle restoration and auto interiors.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chairs: Alexander Cruz (alcruz@sbccd.edu), B.A. and Richard Jaramillo (rjaramil@sbccd.edu), A.A.

Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

- Advanced Automotive Collision Repair and Refinishing Associate of Science Degree
- Advanced Automotive Collision Repair and Refinishing Certificate of Achievement
- Automotive Interiors Certificate of Achievement
- Automotive Interiors Certificate of Completion
- Basic Automotive Collision Repair and Refinishing Associate of Science Degree
- Basic Automotive Collision Repair and Refinishing Certificate of Achievement
- Street Rod Construction Certificate of Achievement
- Street Rod Construction Certificate of Completion

ACR 020 6 Units
Non-Structural Body Repair
Lecture: 90 contact hours
Lab: 54 contact hours
This course covers theory and practical experience in automotive collision damage repair and shop safety with a focus on automotive construction, regulations, oxyacetylene and Metal Inert Gas (MIG) welding, surface preparation, basic spray painting, and detailing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B-3.
Associate Degree Applicable

ACR 022 6 Units
Non-Structural Collision Repair and Estimating
Lecture: 90 contact hours
Lab: 54 contact hours
This course covers theory and practical experience in automotive collision damage repair and shop safety with a focus on laws and regulations, refinishing techniques, Metal Inert Gas (MIG) welding and steering, suspension and vehicle alignment, damage analysis and estimating, and Hybrid and electric vehicle safety procedures. This course may be used in preparation for the Automotive Service Excellence (ASE) National B3 Test.
Associate Degree Applicable

ACR 024 6 Units
Structural Analysis and Damage Repair
Lecture: 90 contact hours
Lab: 54 contact hours
Departmental Recommendation: ACR 020 or ACR 022
This course covers theory and practical experience in auto collision repair and shop safety, with a focus on Metal Inert Gas (MIG) welding, panel replacement, theory and practical experience in minor uni-body frame measuring and repair, basic hybrid body repair, and hybrid and electric vehicle safety procedures. This course may be used in preparation for the Automotive Service Excellence (ASE) National B4 Test.
Associate Degree Applicable

ACR 026 6 Units
Auto Collision Refinishing
Lecture: 90 contact hours
Lab: 54 contact hours
Departmental Recommendation: ACR 020 or ACR 022
This course covers theory and practical experience in automotive collision repair and refinishing, shop safety practices, personal safety, and health protection as outlined by Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD). Topics include Sheet Molded Compound (SMC) panel replacement; heat reshaping plastic parts; electrical and electronic systems; single-, two-, and three-stage refinishing systems; spot repairing/blending; polishing; detailing; estimating; and custom painting. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B2.
Associate Degree Applicable

ACR 030 5 Units
Mechanical Technology for the Collision Specialist
Lecture: 72 contact hours
Lab: 54 contact hours
Departmental Recommendation: ACR 020 or ACR 022
This course is an intense overview of the mechanical aspects of a vehicle as it pertains to Collision industry. Subjects covered are A/C, Electrical, SRS (Safety Restraint Systems), front end geometry and hybrid and electrical vehicle safety.
Associate Degree Applicable

ACR 040 3.5 Units
Basic Auto Upholstery
Lecture: 36 contact hours
Lab: 81 contact hours
This course offers students basic theory and practical experience in creating custom automotive interiors. Safe work practices and the use of tools to develop, cut, sew and fit are emphasized. This course may also be offered for noncredit as ACR 640.
Associate Degree Applicable

ACR 041 3.5 Units
Advanced Custom Auto Interiors
Lecture: 36 contact hours
Lab: 81 contact hours
This course offers advanced level instruction on theory and installation of custom and hot rod automotive interiors. Safe work practices and the use of tools to design, cut, sew, and fit complex interiors are emphasized. This course may also be offered for noncredit as ACR 641.
Associate Degree Applicable

ACR 050 4 Units
Basic Vehicle Restoration
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: ACR 020 or ACR 022
The course includes basic vehicle restoration theory and practical experience as well as safe work practices, disassembly, cleaning, body repair, welding, and assembly. This course may also be offered for noncredit as ACR 650.
Associate Degree Applicable

ACR 060 4 Units
Beginning Street Rod Construction
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: ACR 020 or ACR 022
This course covers theory and practical experience in building a street rod vehicle. Topics include shop safety, design and construction of frame and chassis systems and components, body repair, paint preparation, refinishing, and welding. This course may also be offered for noncredit as ACR 660.
Associate Degree Applicable

ACR 620 Noncredit
Non-Structural Body Repair
Lecture: 90 contact hours
Lab: 54 contact hours
This noncredit course covers theory and practical experience in automotive collision damage repair and shop safety with a focus on automotive construction, regulations, oxyacetylene and Metal Inert Gas (MIG) welding, surface preparation, basic spray painting, and detailing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B-3.

ACR 640 Noncredit
Basic Auto Upholstery
Lecture: 36 contact hours
Lab: 81 contact hours
This noncredit course offers students basic theory and practical experience in creating custom automotive interiors. Safe work practices and the use of tools to develop, cut, sew and fit are emphasized. This course may also be offered for credit as ACR 040.

ACR 641 Noncredit
Advanced Custom Auto Interiors
Lecture: 36 contact hours
Lab: 81 contact hours
This noncredit course offers advanced level instruction on theory and installation of custom and hot rod automotive interiors. Safe work practices and the use of tools to design, cut, sew, and fit complex interiors are emphasized. This course may also be offered for credit as ACR 041.

ACR 650 Noncredit
Basic Vehicle Restoration
Lecture: 54 contact hours
Lab: 54 contact hours
The noncredit course includes basic vehicle restoration theory and practical experience as well as safe work practices, disassembly, cleaning, body repair, welding, and assembly. This course may also be offered for credit as ACR 050.

ACR 660 Noncredit
Beginning Street Rod Construction
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit course covers theory and practical experience in building a street rod vehicle. Topics include shop safety, design and construction of frame and chassis systems and components, body repair, paint preparation, refinishing, and welding. This course may also be offered for credit as ACR 060.

Advanced Automotive Collision Repair and Refinishing Associate of Science Degree

This degree is designed to prepare students for entry-level work as an auto collision repair technician and/or painter apprentice beyond the Basic Automotive Collision Repair and Refinishing Certificate. To graduate with a specialization in Advanced Automotive Collision Repair and Refinishing, students must complete the following courses plus the general breadth requirements for the associate of science degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
ACR 020	Non-Structural Body Repair	6
ACR 022	Non-Structural Collision Repair and Estimating	6
ACR 024	Structural Analysis and Damage Repair	6
ACR 026	Auto Collision Refinishing	6
ACR 030	Mechanical Technology for the Collision Specialist	5
ACR 050	Basic Vehicle Restoration	4
or ACR 060	Beginning Street Rod Construction	
Total Units		**33**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Estimate damage and make an appraisal.
b. Assess damage sustained by each of the three sections of the vehicle.
c. Use common resources to identify the damage sustained by the vehicle.

d. Measure and evaluate structural damage.
e. Identify and analyze types of damage to a vehicle.
f. Determine whether or not a vehicle is a total loss or a repairable vehicle.
g. Interpret computer-assisted and manually written estimates; verify the information is current.

Advanced Automotive Collision Repair and Refinishing Certificate of Achievement

This certificate is designed to prepare students for entry-level work as an auto collision repair technician and/or painter apprentice beyond the Basic Automotive Collision Repair and Refinishing Certificate and to prepare students for the Automotive Service Excellence (ASE) certification test.

Code	Title	Units
Required Courses:		
ACR 020	Non-Structural Body Repair	6
ACR 022	Non-Structural Collision Repair and Estimating	6
ACR 024	Structural Analysis and Damage Repair	6
ACR 026	Auto Collision Refinishing	6
ACR 030	Mechanical Technology for the Collision Specialist	5
ACR 050	Basic Vehicle Restoration	4
or ACR 060	Beginning Street Rod Construction	
Total Units		**33**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Repair doors, glasses, and leaks.
b. Diagnose and repair vehicle damage on full frame and unibody vehicles.
c. Perform multiple refinishing techniques.
d. Repair urethane plastics.
e. Measure and evaluate structural damage.
f. Estimate a damage vehicle and make an appraisal.

Automotive Interiors Certificate of Achievement

This certificate is designed to prepare students for entry-level work/employment as an automotive interiors technician.

Code	Title	Units
Required Courses:		
ACR 020	Non-Structural Body Repair	6
ACR 040	Basic Auto Upholstery	3.5
ACR 041	Advanced Custom Auto Interiors	3.5
ACR 060	Beginning Street Rod Construction	4
Total Units		**17**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify automotive interior component integrity.
b. Identify and utilize materials, tools and equipment essential to the automotive interior sector.
c. Dismantle, remove and install automotive interior components.
d. Restore automotive interior components.

Automotive Interiors Certificate of Completion

This noncredit certificate is designed to prepare students for entry-level work/employment as an automotive interiors technician.

Code	Title	Units
Required Courses:		
ACR 620	Non-Structural Body Repair	0
ACR 640	Basic Auto Upholstery	0
ACR 641	Advanced Custom Auto Interiors	0
ACR 660	Beginning Street Rod Construction	0
Total Hours		**432-486**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify automotive interior component integrity.
b. Identify and utilize materials, tools and equipment essential to the automotive interior sector.
c. Dismantle, remove and install automotive interior components.
d. Restore automotive interior components.

Basic Automotive Collision Repair and Refinishing Associate of Science Degree

This degree prepares students for entry-level work as an automotive collision repair technician, structural repair technician, or painter apprentice. Upon completion of this degree, students can work in areas, such as automotive dealerships, auto collision repair facilities, frame repair, or as a parts counter clerk. To graduate with a specialization in Basic Automotive Collision Repair and Refinishing, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
ACR 020	Non-Structural Body Repair	6
ACR 022	Non-Structural Collision Repair and Estimating	6
ACR 024	Structural Analysis and Damage Repair	6

ACR 026	Auto Collision Refinishing	6
Total Units		**24**

[1] ACR 020 may be waived through the Articulation 2+2 program with prior agreement with the auto collision and refinishing instructor.

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Recognize damage sustained by each of the three sections of the vehicle.
b. Use common resources to identify the damage sustained by the vehicle.
c. Measure and evaluate structural damage.
d. Identify and analyze types of damage to a vehicle.

Basic Automotive Collision Repair and Refinishing Certificate of Achievement

This certificate is designed to prepare students for entry-level work as an auto collision repair and painter apprentice, or in related areas of an automotive dealership or shop, such as chassis, front end, or frame repair, and parts counter clerk.

Code	Title	Units
Required Courses:		
ACR 020	Non-Structural Body Repair	6
ACR 022	Non-Structural Collision Repair and Estimating	6
ACR 024	Structural Analysis and Damage Repair	6
ACR 026	Auto Collision Refinishing	6
Total Units		**24**

[1] ACR 020 may be waived through the Articulation 2+2+2 program with prior agreement with the auto collision and refinishing instructor.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Recognize damage sustained by each of the three sections of the vehicle.
b. Use common resources to identify the damage sustained by the vehicle.
c. Measure and evaluate structural damage.
d. Identify and analyze types of damage to a vehicle.

Street Rod Construction Certificate of Achievement

This certificate is designed to prepare students for entry level work as a street rod builder apprentice or related areas of the auto related industry.

Code	Title	Units
Required Courses:		
ACR 060	Beginning Street Rod Construction	4
ACR 050	Basic Vehicle Restoration	4
ACR 020	Non-Structural Body Repair	6
Total Units		**14**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Estimate damage on a street rod and make a repair plan.
b. Use common resources to identify the damage sustained by the vehicle.
c. Measure and evaluate structural and sheet metal damage.
d. Determine whether or not a vehicle is a total loss or a repairable vehicle.
e. Restore damaged sheet metal to original shape.

Street Rod Construction Certificate of Completion

This noncredit certificate is designed to prepare students for entry level work as a street rod builder apprentice or related areas of the auto related industry.

Code	Title	Units
Required Courses:		
ACR 660	Beginning Street Rod Construction	0
ACR 650	Basic Vehicle Restoration	0
ACR 620	Non-Structural Body Repair	0
Total Hours		**320-360**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Estimate damage on a street rod and make a repair plan.
b. Use common resources to identify the damage sustained by the vehicle.
c. Measure and evaluate structural and sheet metal damage.
d. Determine whether or not a vehicle is a total loss or a repairable vehicle.
e. Restore damaged sheet metal to original shape.

Automotive Technology

The Automotive Technology Department offers courses designed to provide the skills and knowledge required for immediate employment as well as for students with a personal interest in automotive technology. The course of study in automotive technology may lead to an Associate of Science Degree or a vocational certificate.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chairs: Alexander Cruz (alcruz@sbccd.edu), B.A. and Richard Jaramillo (rjaramil@sbccd.edu), A.A.

Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

- Automatic and Manual Transmission Associate of Science Degree
- Automatic and Manual Transmission Certificate of Achievement
- Automotive Clean Vehicle Technology Associate of Science Degree
- Automotive Clean Vehicle Technology Certificate of Achievement
- Automotive Engine Performance Associate of Science Degree
- Automotive Engine Performance Certificate of Achievement
- Automotive Preventative Maintenance Technician Certificate of Achievement
- Automotive Technician Associate of Science Degree
- Automotive Technician Certificate of Achievement
- Automotive Wheel Alignment and Brakes Associate of Science Degree
- Automotive Wheel Alignment and Brakes Certificate of Achievement

AUTO 010 4 Units
Introduction to Hybrid and Electric Vehicle Technology
Lecture: 54 contact hours
Lab: 54 contact hours
This course explores the use of hybrid and electric battery power for vehicle transportation. Topics will include safety when using high voltage, maintenance, drivability, inverter, AC/DC power transfer and battery technology, physics of battery storage and hybrid generation systems. Electric vehicle applications and their integrated systems from many manufacturers will be discussed.
Associate Degree Applicable

AUTO 011 3 Units
Electric Vehicle (EV) and Alternative Fuel Vehicle
Lecture: 54 contact hours
Prerequisite: AUTO 010 and AUTO 065
Corequisite: AUTO 011L
This course explores the use of electric vehicle, hydrogen fuel cell and electric battery power for vehicle transportation. Topics will include safety when using high voltage, maintenance, drivability, inverter, AC/DC power transfer and battery technology, physics of battery storage and hydrogen fuel systems. Electric and fuel cell vehicle applications and their integrated systems from many manufacturers will be discussed.
Associate Degree Applicable

AUTO 011L 1 Unit
Electric Vehicle (EV) and Alternative Fuel Vehicle - Laboratory
Lab: 54 contact hours
Prerequisite/Corequisite: AUTO 011
This laboratory course explores the use of electric vehicle, hydrogen fuel cell and electric battery power for vehicle transportation. Topics will include safety when using high voltage, maintenance, drivability, inverter, AC/DC power transfer and battery technology, physics of battery storage and hydrogen fuel systems. Electric and fuel cell vehicle applications and their integrated systems from many manufacturers will be discussed.
Associate Degree Applicable

AUTO 050 3 Units
Automotive Brakes
Lecture: 54 contact hours
Corequisite: AUTO 050L
This course is designed for students and current technicians to gain knowledge and skills in automotive brake systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the brake system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test A-5.
Associate Degree Applicable

AUTO 050L 1 Unit
Automotive Brakes - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 050
This laboratory course is designed for students and current technicians to gain knowledge and skills in automotive brake systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the brake system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test A-5.
Associate Degree Applicable

AUTO 052 3 Units
Automotive Suspension and Steering
Lecture: 54 contact hours
Corequisite: AUTO 052L
This course is designed for students and current technicians to gain knowledge and skills in automotive suspension and steering systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of suspension and steering systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 052L 1 Unit
Automotive Suspension and Steering - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 052
This laboratory course is designed for students and current technicians to gain hands-on knowledge and skills in automotive suspension and steering systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of suspension and steering systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 056 4 Units
Automotive Heating and Air Conditioning
Lecture: 54 contact hours
Lab: 54 contact hours
This course is an in-depth study of the design and operation of contemporary, domestic and import vehicle air conditioning/heating systems. Air conditioning and heating related parts will be disassembled, inspected and a determination made of the serviceability of existing parts. Emphasis is placed on problem diagnosis of and repair procedures for these systems. This course also offers an introduction to Automatic A/C and Comfort Control Systems, and recovery and recycling of refrigerants.
Associate Degree Applicable

AUTO 062 3 Units
Engine Performance
Lecture: 54 contact hours
Corequisite: AUTO 062L
This course provides an in-depth study of the design and operation of domestic and import ignition and fuel systems, emissions systems, as well as Hybrid and electric vehicle safety procedures. Major areas of study include electronic, and computer control ignition and fuel injection systems. Emphasis is placed on the correct diagnosis of and repair procedures for these systems. This course covers the diagnosis and repair/replacement of major components: all sensors, injectors, fuel pumps, and interpretation of computer related malfunctions. The use of current diagnostic test equipment used in today's industry and strategies necessary to determine needed repairs are covered.
Associate Degree Applicable

AUTO 062L 1 Unit
Engine Performance - Laboratory
Lab: 54 contact hours
Prerequisite/Corequisite: AUTO 062
This laboratory course provides an in-depth study of the design and operation of domestic and import ignition and fuel systems, emissions systems, as well as Hybrid and electric vehicle safety procedures. Major areas of study include electronic, and computer control ignition and fuel injection systems. Emphasis is placed on the correct diagnosis of and repair procedures for these systems. This course covers the diagnosis and repair/replacement of major components: all sensors, injectors, fuel pumps, and interpretation of computer related malfunctions. The use of current diagnostic test equipment used in today's industry and strategies necessary to determine needed repairs are covered.
Associate Degree Applicable

AUTO 064 4 Units
Auto/Truck Electrical Systems
Lecture: 54 contact hours
Lab: 54 contact hours
This course covers basic electrical theory, use of meters, test equipment, wiring diagrams, diagnosis and repair/replacement of major electrical components of automobiles and trucks. Emphasis is placed on use of digital multimeter for troubleshooting and diagnosis of starting systems, charging systems, and electrical circuits.
Associate Degree Applicable

AUTO 065 4 Units
Advanced Automotive Electrical Systems
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: AUTO 064
This course provides students with the knowledge necessary to diagnose and repair automotive electrical malfunctions. Topics include theory of operations and service of automotive electrical systems. Emphasis on reading wiring diagrams and use of test equipment to diagnose and troubleshoot electrical/electronic systems, such as start-stop and ADAS systems. This course prepares students for the ASE A6 certification exam.
Associate Degree Applicable

AUTO 075 3 Units
Automatic Transmissions and Transaxles
Lecture: 54 contact hours
Corequisite: AUTO 075L
This course is designed for students and current technicians to gain knowledge and skills in automotive transmissions and transaxle systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on operation, inspection, diagnosis, and servicing of the transmissions and transaxles system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 075L 1 Unit
Automotive Transmissions and Transaxles - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 075
This laboratory course is designed for students and current technicians to gain knowledge and skills in automotive transmission and transaxle systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on operation, inspection, diagnosis, and servicing of the transmission and transaxle systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 077 3 Units
Manual Transmissions and Transaxles
Lecture: 54 contact hours
Corequisite: AUTO 077L
This course is designed for students and current technicians to gain knowledge and skills in automotive manual transmissions and differential systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the manual transmission and differential systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 077L 1 Unit
Manual Transmissions and Transaxles - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 077
This course is designed for students and current technicians to gain knowledge and skills in automotive manual transmission and differential systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the manual transmission and differential systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 084 3 Units
General Automotive Technology
Lecture: 54 contact hours
Corequisite: AUTO 084L
This course is designed for students and current technicians to gain knowledge and skills in automotive systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the automotive systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 084L 1 Unit
General Automotive Technology - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 084
This laboratory course is designed for students and current technicians to gain knowledge and skills in automotive systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on identification, inspection, diagnosis, and servicing of the automotive systems.
Associate Degree Applicable

AUTO 090 3 Units
Engine Repair
Lecture: 54 contact hours
Corequisite: AUTO 090L
This course is designed for students and current technicians to gain knowledge and skills in automotive engine repair system. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on operation, inspection, diagnosis, and servicing of the engine repair system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 090L 1 Unit
Engine Repair - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 090
This laboratory course is designed for students and current technicians to gain knowledge and skills in automotive engine repair systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the engine repair system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

AUTO 097 0.5-4 Units
Automotive EV Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

AUTO 098 0.5-4 Units
Automotive Technology Work Experience Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

AUTO 650 Noncredit
Automotive Brakes
Lecture: 54 contact hours
Corequisite: AUTO 650L
This noncredit course is designed for students and current technicians to gain knowledge and skills in automotive brake systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the brake system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test A-5. This course may also be for credit as AUTO 050.

AUTO 650L Noncredit
Automotive Brakes - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 650
This noncredit laboratory course is designed for students and current technicians to gain knowledge and skills in automotive brake systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the brake system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test A-5. This course may also be offered for credit as AUTO 050L.

AUTO 652 Noncredit
Automotive Suspension and Steering
Lecture: 54 contact hours
Corequisite: AUTO 652L
This noncredit course is designed for students and current technicians to gain knowledge and skills in automotive suspension and steering systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of suspension and steering systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. This course may also be offered for credit as AUTO 052.

AUTO 652L Noncredit
Automotive Suspension and Steering - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 652
This noncredit laboratory course is designed for students and current technicians to gain hands-on knowledge and skills in automotive suspension and steering systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of suspension and steering systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. This course may also be offered for credit as AUTO 052L.

AUTO 675 Noncredit
Automatic Transmissions and Transaxles
Lecture: 54 contact hours
Corequisite: AUTO 675L
This noncredit course is designed for students and current technicians to gain knowledge and skills in automotive transmissions and transaxle systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on operation, inspection, diagnosis, and servicing of the transmissions and transaxles system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. This course may also be offered for credit as AUTO 075.

AUTO 675L Noncredit
Automotive Transmissions and Transaxles - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 675
This noncredit laboratory course is designed for students and current technicians to gain knowledge and skills in automotive transmission and transaxle systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on operation, inspection, diagnosis, and servicing of the transmission and transaxle systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. This course may also be offered for credit as AUTO 075L.

AUTO 684 Noncredit
General Automotive Technology
Lecture: 54 contact hours
Corequisite: AUTO 684L
This noncredit course is designed for students and current technicians to gain knowledge and skills in automotive systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the automotive systems. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. This course may also be offered for credit as AUTO 084.

AUTO 684L Noncredit
General Automotive Technology - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 684
This noncredit laboratory course is designed for students and current technicians to gain knowledge and skills in automotive systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on identification, inspection, diagnosis, and servicing of the automotive systems. This course may also be offered for credit as AUTO 084L.

AUTO 685L Noncredit
Auto Shop Practices
Lab: 108 contact hours
This noncredit course is designed for students and current technicians to gain knowledge and skills in automotive systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the automotive systems. This course provides the student with additional work experience and gives them the opportunity to complete unfinished tasks from other automotive mechanical courses.

AUTO 690 Noncredit
Engine Repair
Lecture: 54 contact hours
Corequisite: AUTO 690L
This noncredit course is designed for students and current technicians to gain knowledge and skills in automotive engine repair system. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on operation, inspection, diagnosis, and servicing of the engine repair system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. This course may also be offered for credit as AUTO 090.

AUTO 690L Noncredit
Engine Repair - Laboratory
Lab: 54 contact hours
Corequisite: AUTO 690
This noncredit laboratory course is designed for students and current technicians to gain knowledge and skills in automotive engine repair systems. This course covers the safety procedures, ethics, and diversity in the automotive industry while focusing on inspection, diagnosis, and servicing of the engine repair system. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. This course may also be offered for credit as AUTO 090L.

Automatic and Manual Transmission Associate of Science Degree

This degree prepares students to gain entry-level employment in maintenance and repair of automotive and hybrid vehicle transmissions. Transmission technicians work with some of the most advanced technology in the auto service industry, including computer command control on electronic gear trains, couplings, hydraulic pumps and other transmission components. To graduate with a specialization in Automatic and Manual Transmissions, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 075	Automatic Transmissions and Transaxles	3
AUTO 075L	Automotive Transmissions and Transaxles - Laboratory	1
AUTO 077	Manual Transmissions and Transaxles	3
AUTO 077L	Manual Transmissions and Transaxles - Laboratory	1
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
AUTO 090	Engine Repair	3
AUTO 090L	Engine Repair - Laboratory	1
Total Units		**20**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify auto shop safety practices.
b. Explain the utilization of automotive tools.
c. Summarize the theory and concepts of automotive powertrain and electrical systems.
d. Practice auto shop safety.
e. Apply the proper use of hand tools used in automotive powertrain and electrical systems.
f. Perform the service and repairs of automotive powertrain and electrical systems.

Automatic and Manual Transmission Certificate of Achievement

This certificate prepares students to gain entry-level employment in maintenance and repair of automotive and hybrid vehicle transmissions. Transmission technicians work with some of the most advanced technology in the auto service industry, including computer command control on electronic gear trains, couplings, hydraulic pumps and other transmission components.

Code	Title	Units
Required Courses:		
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 075	Automatic Transmissions and Transaxles	3
AUTO 075L	Automotive Transmissions and Transaxles - Laboratory	1
AUTO 077	Manual Transmissions and Transaxles	3
AUTO 077L	Manual Transmissions and Transaxles - Laboratory	1
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
AUTO 090	Engine Repair	3
AUTO 090L	Engine Repair - Laboratory	1
Complete the following or place into a transfer-level MATH course:		**0-4**
TECALC 087	Technical Calculations	4
Total Units		**20-24**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify auto shop safety practices.
b. Explain the utilization of automotive tools.
c. Summarize the theory and concepts of automotive powertrain and electrical systems.
d. Practice auto shop safety.
e. Apply the proper use of hand tools used in automotive powertrain and electrical systems.
f. Perform the service and repairs of automotive powertrain and electrical systems.

Automotive Clean Vehicle Technology Associate of Science Degree

This degree is designed to provide students with the fundamentals of alternative fuel and electric vehicle technology as it applies to the automotive industry. The curriculum prepares students for entry-level positions in alternative fuel/hybrid/electric vehicle maintenance, service and repair, including alternative fuel and electric power technology.

Code	Title	Units
Required Courses:		
AUTO 010	Introduction to Hybrid and Electric Vehicle Technology	4
AUTO 011	Electric Vehicle (EV) and Alternative Fuel Vehicle	3
AUTO 011L	Electric Vehicle (EV) and Alternative Fuel Vehicle - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 065	Advanced Automotive Electrical Systems	4
AUTO 050	Automotive Brakes	3
AUTO 050L	Automotive Brakes - Laboratory	1
AUTO 052	Automotive Suspension and Steering	3
AUTO 052L	Automotive Suspension and Steering - Laboratory	1
Total Units		**24**

Code	Title	Units
Recommended Courses:		
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Diagnose and make minor repairs to 12 volt starting and charging systems using electrical schematics.
b. Demonstrate appropriate personal and shop safety procedures needed to safely work with high voltage and hydrogen fuel systems.
c. Evaluate system conditions by entering self-diagnostic mode of a given system, correctly interpret diagnostic trouble codes, and diagnose electronic control system faults using appropriate procedures and strategies.

d. Perform basic maintenance, diagnostic and repair related to electric, hybrid and hydrogen fuel cell vehicles.

Automotive Clean Vehicle Technology Certificate of Achievement

This certificate is designed to provide students with the fundamentals of alternative fuel and electric vehicle technology as it applies to the automotive industry. The curriculum prepares students for entry-level positions in alternative fuel/hybrid/electric vehicle maintenance, service and repair. Including alternative fuel and electric power technology.

Code	Title	Units
Required Courses:		
AUTO 010	Introduction to Hybrid and Electric Vehicle Technology	4
AUTO 011	Electric Vehicle (EV) and Alternative Fuel Vehicle	3
AUTO 011L	Electric Vehicle (EV) and Alternative Fuel Vehicle - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 065	Advanced Automotive Electrical Systems	4
Total Units		**16**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Diagnose and make minor repairs to 12 volt starting and charging systems using schematics, as-well-as demonstrate safety precautions used on electric, hybrid, and hydrogen fuel cell vehicles.
b. Demonstrate appropriate personal and shop safety procedures needed to safely work with high voltage and hydrogen fuel systems.
c. Evaluate system conditions by entering self-diagnostic mode of a given system, correctly interpret diagnostic trouble codes, and diagnose electronic control system faults using appropriate procedures and strategies.
d. Perform basic maintenance, diagnostic and repair related to electric, hybrid and hydrogen fuel cell vehicles.

Automotive Technician Associate of Science Degree

The Automotive Technology curriculum is designed to concentrate on technically related courses in the repair of today's high-tech computerized automobile. Upon completion of the program, the degree holder will be able to seek employment as an entry level automobile repair technician in a dealership or the aftermarket service area, and can move into advanced automotive opportunities such as service advising and manufacturer corporate positions.

Code	Title	Units
Required Courses:		
AUTO 050	Automotive Brakes	3
AUTO 050L	Automotive Brakes - Laboratory	1
AUTO 052	Automotive Suspension and Steering	3
AUTO 052L	Automotive Suspension and Steering - Laboratory	1
AUTO 056	Automotive Heating and Air Conditioning	4
AUTO 062	Engine Performance	3
AUTO 062L	Engine Performance - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 065	Advanced Automotive Electrical Systems	4
AUTO 075	Automatic Transmissions and Transaxles	3
AUTO 075L	Automotive Transmissions and Transaxles - Laboratory	1
AUTO 077	Manual Transmissions and Transaxles	3
AUTO 077L	Manual Transmissions and Transaxles - Laboratory	1
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
AUTO 090	Engine Repair	3
AUTO 090L	Engine Repair - Laboratory	1
Total Units		**40**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify auto shop safety practices.
b. Explain the utilization of automotive system tools.
c. Summarize the theory and concepts of the automotive systems.
d. Practice auto shop safety.
e. Apply the proper use of hand tools used on the automotive systems.
f. Perform the service and repair of automotive systems.

Automotive Technician Certificate of Achievement

This certificate is designed to prepare students for entry-level work as automotive technicians working in areas such as general automotive and hybrid repair and service.

Code	Title	Units
Required Courses:		
AUTO 050	Automotive Brakes	3
AUTO 050L	Automotive Brakes - Laboratory	1
AUTO 052	Automotive Suspension and Steering	3
AUTO 052L	Automotive Suspension and Steering - Laboratory	1
AUTO 056	Automotive Heating and Air Conditioning	4
AUTO 062	Engine Performance	3
AUTO 062L	Engine Performance - Laboratory	1

AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 065	Advanced Automotive Electrical Systems	4
AUTO 075	Automatic Transmissions and Transaxles	3
AUTO 075L	Automotive Transmissions and Transaxles - Laboratory	1
AUTO 077	Manual Transmissions and Transaxles	3
AUTO 077L	Manual Transmissions and Transaxles - Laboratory	1
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
AUTO 090	Engine Repair	3
AUTO 090L	Engine Repair - Laboratory	1
Complete the following or place into a transfer-level MATH course:		**0-4**
TECALC 087	Technical Calculations	4
Total Units		**40-44**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify auto shop safety practices.
b. Explain the utilization of automotive system tools.
c. Summarize the theory and concepts of the automotive systems.
d. Practice auto shop safety.
e. Apply the proper use of hand tools used on the automotive systems.
f. Perform the service and repair of automotive systems.

Automotive Engine Performance Associate of Science Degree

This degree is designed to prepare students for entry-level work as an engine performance specialist, diagnostic technician, or a state certified Smog check and repair technician. Students will become familiar with computer systems, hybrid and electrical systems, basic engine diagnosis, emissions repair, and the Smog certification test. To graduate with a specialization in Engine Performance, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
AUTO 062	Engine Performance	3
AUTO 062L	Engine Performance - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 065	Advanced Automotive Electrical Systems	4
AUTO 090	Engine Repair	3
AUTO 090L	Engine Repair - Laboratory	1
TECALC 087	Technical Calculations	4
Total Units		**20**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Interpret automotive service manuals
b. Write accurate repair orders, requests, reports and estimates
c. Diagnose and repair engine performance systems
d. Diagnose and repair automotive electrical systems
e. Diagnose and repair emission systems
f. Diagnose and repair ignition systems
g. Diagnose and repair fuel systems
h. Prepare students for A.S.E. tests A-6; A-8 and L-1
i. Perform basic maintenance related to hybrid and electric vehicles

Automotive Engine Performance Certificate of Achievement

This certificate is designed to prepare students for entry level work as an engine performance specialist, diagnostic technician, or a state certified Smog check and repair technician. Students will become familiar with computer systems, hybrid and electrical systems, basic engine diagnosis, emissions repair, and the Smog certification test.

Code	Title	Units
Required Courses:		
AUTO 062	Engine Performance	3
AUTO 062L	Engine Performance - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 065	Advanced Automotive Electrical Systems	4
AUTO 090	Engine Repair	3
AUTO 090L	Engine Repair - Laboratory	1
Complete the following or place into a transfer-level MATH course:		**0-4**
TECALC 087	Technical Calculations	4
Total Units		**16-20**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Diagnose and repair engine performance related repairs to automobiles.
b. Diagnose and repair automotive electrical systems.
c. Diagnose and repair emission systems.
d. Diagnose and repair ignition systems.
e. Diagnose and repair fuel systems.
f. Prepare students for A.S.E. tests A-6; A-8 and L-1.
g. Perform basic maintenance related to hybrid and electric vehicles.

Automotive Preventative Maintenance Technician Certificate of Achievement

This certificate is designed to prepare students for employment as technicians performing entry-level preventative maintenance and minor repairs. Typical duties include new car preparation, vehicle inspections and assisting master technicians.

Code	Title	Units
Required Courses:		
AUTO 050	Automotive Brakes	3
AUTO 050L	Automotive Brakes - Laboratory	1
AUTO 052	Automotive Suspension and Steering	3
AUTO 052L	Automotive Suspension and Steering - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
Total Units		**16**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify auto shop safety practices.
b. Explain the utilization of automotive preventative maintenance service and repair tools including brake, suspension, and electrical systems.
c. Summarize the theory and concepts of automotive preventive maintenance service repair including, brake, suspension, and electrical systems.
d. Demonstrate and practice auto shop safety.
e. Apply the proper use of hand tools used in automotive preventive maintenance service and repair systems including, brake, suspension, and electrical systems.
f. Perform the preventive maintenance service and repairs of automotive systems including, brake, suspension, and electrical systems.

Automotive Wheel Alignment and Brakes Associate of Science Degree

The degree prepares students for entry-level work in front wheel and four-wheel alignment and brake repair. The technician can move into advanced automotive opportunities such as service advising and manufacturer corporate positions.

Code	Title	Units
Required Courses:		
AUTO 050	Automotive Brakes	3
AUTO 050L	Automotive Brakes - Laboratory	1
AUTO 052	Automotive Suspension and Steering	3
AUTO 052L	Automotive Suspension and Steering - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
TECALC 087	Technical Calculations	4
Total Units		**20**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify auto shop safety practices.
b. Explain the utilization of automotive brake, suspension, electrical, and preventative maintenance systems tools.
c. Summarize the theory and concepts of the automotive brake, suspension, electrical and preventive maintenance systems.
d. Demonstrate and practice auto shop safety.
e. Apply the proper use of hand tools used on the automotive brake, suspension, electrical and preventive maintenance systems.
f. Perform the service and repair of automotive brake, suspension, electrical and preventative maintenance systems.

Automotive Wheel Alignment and Brakes Certificate of Achievement

This certificate is designed to prepare students for entry-level work as an automotive technician working in the area of wheel alignment and brake repair.

Code	Title	Units
Required Courses:		
AUTO 050	Automotive Brakes	3
AUTO 050L	Automotive Brakes - Laboratory	1
AUTO 052	Automotive Suspension and Steering	3
AUTO 052L	Automotive Suspension and Steering - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
Complete the following or place into a Transfer-Level MATH course:		
TECALC 087	Technical Calculations	4
Total Units		**16-20**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify auto shop safety practices.
b. Explain the utilization of automotive brake, suspension, electrical, and preventative maintenance systems tools.
c. Summarize the theory and concepts of the automotive brake, suspension, electrical and preventive maintenance systems.
d. Practice auto shop safety.
e. Apply the proper use of hand tools used on the automotive brake, suspension, electrical and preventive maintenance systems.
f. Perform the service and repair of automotive brake, suspension, electrical and preventative maintenance systems.

Biology

The courses offered in the Biology Department are designed to meet the demands of allied health majors, science majors, and non-science majors.

For non-majors, the department's goal is to educate students so they can make informed choices about key socio-biological issues while having the options to take courses with or without a laboratory.

For majors and allied health, the courses provide a strong background in the biological sciences for students transferring to four-year institutions who are interested in careers such as teaching, research, environmental science, or allied health.

Students planning to transfer to a four-year institution in Biology or a related field should consult a counselor at the earliest.

Science Courses for Biology Majors

Students may be eligible to enroll in introductory courses depending on their results of the SBVC assessment process. Contact a Counselor to plan your transfer to a University and to discuss graduation requirements towards an AS-T or AS Biology degree. Counselors experienced with STEM fields are available in the Physical Sciences (PS) Building. Consult the Science Division or visit the Biology Department website for more information.

Code	Title	Units
Chemistry		
CHEM 101	Introductory Chemistry	4-5
or CHEM 105	Introduction to General, Organic and Biochemistry	
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
Note: CHEM 150 must be taken concurrently or previously before entering into BIOL 205.		

Code	Title	Units
Biology		
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
BIOL 207	Evolutionary Ecology	4
Note: BIOL 206 and BIOL 207 may be taken out of sequence as long as BIOL 205 was taken with a passing grade. BIOL 207 is only offered in the Spring semester.		

Code	Title	Units
Physics		
PHYSIC 151	General Physics for the Life Sciences I	4
PHYSIC 152	General Physics for the Life Sciences II	4
Note: PHYSIC 202 and PHYSIC 203 may be taken in lieu of PHYSIC 151 and PHYSIC 152. Consult a counselor to identify transfer programs requiring the 200 series.		

To waive CHEM 101, students must:

- Complete credit-by-examination form along with other College policies and conditions provided by the Admissions and Records Office (AD/SS 100) and the Science Division (PS 148).
- Complete and pass a Chemistry examination.

Consult a STEM Counselor for additional information: http://www.sbvcstem.org/stem-counseling.php

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chairs: Melissa Romero (melromero@valleycollege.edu), M.S. and Tatiana Vasquez (tvasquez@sbccd.edu), M.S.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Biology Associate in Science for Transfer Degree
- Biology Associate of Science Degree

Note: The Biology Associate of Science Transfer Degree is intended for students who wish to transfer to a CSU.

BIOL C1000 4 Units
Introduction to Biology with Lab
Lecture: 54 contact hours
Lab: 54 contact hours
This combined lecture and laboratory course provides the non-biology major with an introduction to living things and their environment. Students use experimentation and investigation to develop important critical thinking skills. Students learn about the process of science, the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and how species interact with each other and their surroundings. By the end of the course, students will be able to apply an understanding of biological concepts to current issues and their impacts on society. (Formerly BIOL 100)
Associate Degree Applicable
Transfers to both UC/CSU

BIOL 104 3 Units
Human Ecology
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The course presents the ecological consequences of human resource use and population growth. Emphasis is placed on earth's life support systems and current environmental problems threatening human health and species survival.
Associate Degree Applicable
Transfers to both UC/CSU

BIOL 141 3 Units
Genetics
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a general introduction to the fundamentals of human heredity. Topics include patterns of inheritance, the structure of DNA and its function, the role mutations play in genetic diseases and cancer, the interaction between genes and the environment, and recent advances in biotechnology and its impact on society.
Associate Degree Applicable
Transfers to both UC/CSU

BIOL 155 4 Units
Introductory Anatomy and Physiology
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course is a one-semester introduction to human anatomy and physiology. The course is intended to meet the prerequisite for students entering allied health technician programs or general education requirements of a life science course with a laboratory.
Associate Degree Applicable
Transfers to CSU only

BIOL 205 4 Units
Cell and Molecular Biology
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This course is an introduction to cellular and molecular aspects of biology emphasizing principles of scientific process, evolution by natural selection, prokaryotic and eukaryotic cell structure and function, classic and modern genetics, and concepts that integrate cellular with organismal activities. Experimental design concepts and application are emphasized in the laboratory. This is the first semester of three introductory biology courses for the pre-professional, biology major, environmental science or others interested in an in-depth study of biology.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BIOL 190/135S

BIOL 206 4 Units
Organismal Biology
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: BIOL 205 and eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This course is an introduction to the diversity of organisms, their structure, function, and adaptations to the environment. The course requires participation in field trips and outdoor classroom (Living Lab Garden and Oak Garden) activities. This course is part of three introductory biology courses for the pre-professional, biology major, environmental science or others interested in an in-depth study of biology.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: B 140/130S/135S

BIOL 207 4 Units
Evolutionary Ecology
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: BIOL 205 and eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This course is an introduction to the principles of evolution and the ecological processes governing organisms and populations. The course requires participation in and completion of a field project and participation in weekend field trips and outdoor classroom (Living Lab Garden and Oak Garden) activities. This course is part of three introductory biology courses for the pre-professional, biology major, environmental science or others interested in an in-depth study of biology.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BIOL 130S/135S

BIOL 222 1-3 Units
Independent Study in Biology
DIR: 54 contact hours
Students with previous course work in biology may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Biology. Prior to registration, a contract must be prepared. See instructor for details.
Associate Degree Applicable
Transfers to CSU only

BIOL 250 4 Units
Human Anatomy and Physiology I
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: BIOL C1000 and ENGL C1000 or ENGL C1000H
This is the first semester of a two-semester sequence that introduces students to the basic concepts and principles of human anatomy and physiology. This course provides a foundation for pre-allied professional majors or others interested in the advanced study of human biology. Topics include inorganic and organic chemistry, body orientation and organization, cytology, histology, fluid and electrolyte balances, and the following systems: nervous, skeletal, muscular, nervous, digestive system, and metabolism. Course includes dissections of preserved specimens.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BIOL 115S

BIOL 251 4 Units
Human Anatomy and Physiology II
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: BIOL 250
Departmental Recommendation: BIOL C1000 and CHEM 101 or CHEM 105
This is the second semester of a two-semester sequence that introduces students to the basic concepts and principles of human anatomy and physiology. This course provides a foundation for pre-professional majors or others interested in the advanced study of human biology. Topics include fluid and electrolyte balance and the following body system: integumentary, cardiovascular, lymphatic, respiratory, urinary, endocrine, and reproductive. The course includes dissections of preserved specimens.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BIOL 115S

BIOL 260 4 Units
Human Anatomy
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: BIOL 155
This is a comprehensive lecture/laboratory course in human anatomy. It is organized to explore the body both regionally and systemically. The course studies gross anatomy with an extensive dissection of the cat and other significant organs. Relevant comparisons to human systems and structures are emphasized in the laboratory portion of the course. Histological and cellular anatomy are included as they apply to various structures and systems.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BIOL 110B

BIOL 261 4 Units
Human Physiology
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: BIOL 260 and CHEM 105 or CHEM 101
Departmental Recommendation: BIOL C1000
This course is the second semester of a two-semester sequence. It builds on an understanding of structure to explain the dynamic functions of the human body to a cellular level. Topics include physiology of the following systems: muscular, skeletal, nervous, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive. Homeostatic mechanisms and the interrelationships of body organ systems are emphasized and enhanced with clinical illustrations.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BIOL 120B

BIOL 270 5 Units
Microbiology
Lecture: 54 contact hours
Lab: 108 contact hours
Prerequisite: CHEM 101 or CHEM 105
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course is a formal introduction to and exciting exploration of the fundamental principles and techniques of microbiology and immunology. Attention is given to the morphology, control, metabolism, and genetics of microorganisms. Emphasis is placed on the pathogenesis of and immunity to infectious diseases.
Associate Degree Applicable
Transfers to both UC/CSU

Biology Associate in Science for Transfer Degree

The Associate in Science in Biology for Transfer (AS-T) degree is intended for students who plan to transfer and complete a Bachelor's degree in Biology, or a similar major at a CSU campus. It serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the field. The Biology Department offers comprehensive and integrative studies in each of the introductory courses of Biology. Courses in Biology prepare students interested in careers in cell biology, genetics, physiology, developmental biology, biotechnology, zoology, botany, microbiology, evolution, ecology, behavior, environmental studies, and the health sciences. The objective of this degree is to delineate a successful career path for our community college students entering the Biology program and to provide opportunities that explore the Biology major. Upon successful completion of the AS-T in Biology, students may be able to enter majors for any of these Biology subfields.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Biology AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Biology should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
BIOL 207	Evolutionary Ecology	4
List A:		
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
MATH C2210	Calculus I: Early Transcendentals	4
PHYSIC 151	General Physics for the Life Sciences I	4
PHYSIC 152	General Physics for the Life Sciences II	4

Code	Title	Units
Major Total Units		**34**
Total Double-Counted Units		**10**
General Education (Cal-GETC) Units		**34**
Elective Units		**2**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Evaluate biological systems across molecular, cellular, organismal, population, and ecological scales, integrating evolutionary principles as the unifying framework.
b. Design and conduct independent semester-long biological investigations in laboratory and field settings, formulating hypotheses, collecting data, performing statistical analyses, and communicating findings through written reports, oral presentations, and visual data representation.
c. Evaluate biological information for scientific validity, distinguishing evidence-based claims from pseudoscience and misinformation.
d. Apply subdisciplinary techniques and instrumentation including microscopy, molecular methods, physiological measurement, and ecological sampling to analyze organisms across biological scales from molecular to ecosystem.
e. Examine biological issues through interdisciplinary lenses, including ethical, environmental, and social equity perspectives relevant to local, regional, and global communities.

Biology Associate of Science Degree

The Associate of Science degree in Biology is intended to provide breadth in the aspects of biology that investigate the living world including cellular physiology, genetics, ecology, and evolutionary biology. Majors in Biology prepare for a wide variety of occupations in education, government, medicine, research, and biotechnology. This degree prepares students to transfer to four-year universities to pursue a Bachelor's degree. At the four-year institutions, students may choose to specialize in one particular field of Biology.
To graduate with the A.S degree in Biology, students must complete the following required courses plus the general breadth requirements for the Associate's Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
BIOL 207	Evolutionary Ecology	4
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
Total Units		**30**

Code	Title	Units
Recommended Courses:		
CHEM 212	Organic Chemistry I	5
CHEM 213	Organic Chemistry II	5
PHYSIC 151 & PHYSIC 152	General Physics for the Life Sciences I and General Physics for the Life Sciences II	8
PHYSIC 202 & PHYSIC 203	Physics I and Physics II	8

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Evaluate biological systems across molecular, cellular, organismal, population, and ecological scales, integrating evolutionary principles as the unifying framework.
b. Design and conduct independent semester-long biological investigations in laboratory and field settings, formulating hypotheses, collecting data, performing statistical analyses, and communicating findings through written reports, oral presentations, and visual data representation.
c. Evaluate biological information for scientific validity, distinguishing evidence-based claims from pseudoscience and misinformation.
d. Apply subdisciplinary techniques and instrumentation including microscopy, molecular methods, physiological measurement, and

ecological sampling to analyze organisms across biological scales from molecular to ecosystem.

e. Examine biological issues through interdisciplinary lenses, including ethical, environmental, and social equity perspectives relevant to local, regional, and global communities.

Business Administration

The Business Administration Department offers courses in the fundamentals of business organization and management as well as in marketing and business law.

For non-business majors, these courses offer a general view of the world of business and finance. For business majors, these courses provide a solid foundation in preparation for transfer to a four-year institution. Students planning to transfer to a four-year institution and major in business administration or a related field should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information

Division: Academic Services, Business, Computer Technology, and Hospitality (B - 127)

Division Phone Number: (909) 384-8520

Division Dean: Stephanie Lewis (slewis@sbccd.edu), Ph.D., Ed.S.

Department Chair: Michael Assumma (massumma@sbccd.edu), M.B.A.

Counselor Liaisons:

- Armando Garcia (argarcia@sbccd.edu), M.S.C.
- Patricia (Patty) Jones (pjones@sbccd.edu), M.A.

- Business Administration 2.0 Associate in Science for Transfer Degree
- Business Administration Associate of Arts Degree
- Business Administration Certificate of Achievement
- Business Workplace Essential Skills Certificate of Completion
- Career Essentials for the Business World Certificate of Completion
- Entrepreneurship - General Certificate of Achievement
- Entrepreneurship - Real Estate Certificate of Achievement
- Entrepreneurship - Tax Certificate of Achievement
- Leadership Certificate of Achievement
- Practical Entrepreneurship Certificate of Completion
- Retail Management Certificate of Achievement

BUSAD 039 3 Units
Strategies for Successful Employment
Lecture: 54 contact hours
Departmental Recommendation: CIT 010
This course is designed to help students develop the skills needed to successfully seek employment by using strategies to identify skills and search for a job, interview for a job, and acquire a job, while preparing to become a member of a diverse workforce.
Associate Degree Applicable

BUSAD 050 3 Units
Business Math
Lecture: 54 contact hours
This course covers fundamental mathematical calculations and their application to business problems. Topics include payroll, pricing, interest and discount, commission, taxes, and other pertinent uses of mathematics in the field of business.
Associate Degree Applicable

BUSAD 098 0.5-4 Units
Business Administration Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

BUSAD 100 3 Units
Introduction to Business
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course introduces the trends and opportunities in today's dynamic business environment as they relate to economics, global markets, ethics and social responsibility, business ownership forms, entrepreneurship, management responsibility, human resources management, marketing, operations, accounting, and financial management. Students gain important business context and discover business careers and educational opportunities.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BUS 110

BUSAD 103 3 Units
Marketing Principles
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course studies the strategic marketing process, which creates value for consumers and organizations through integrated production and distribution of products. It examines the marketing process in the context of the global, cultural, economic, legal/regulatory environment. It also examines ethical and socially-responsible marketing and the impact of information technology.
Associate Degree Applicable
Transfers to CSU only

BUSAD 105 3 Units
Small Business Management/Entrepreneurship
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This is a course on how to start and operate a small business. Topics include facts about small business, essential management skills, how to prepare a business plan, financial needs, marketing strategies, and legal issues. This is a comprehensive examination of establishing and operating a small business in today’s dynamic business environment.
Associate Degree Applicable
Transfers to CSU only

BUSAD 106 3 Units
Principles of Selling
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course covers the problems of analyzing the sales talk, making an adequate approach, meeting objectives, excuses, and techniques of closing the sale, and the psychology involved in selling services, goods, ideas and one's own personality.
Associate Degree Applicable
Transfers to CSU only

BUSAD 108 3 Units
Personal Finance, Investments and Estate Planning
Lecture: 54 contact hours
Prerequisite: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course is an integrated approach to personal finance focusing on practical financial decision making as well as the social, psychological, and physiological contexts in which those decisions are made. The student will examine the preparation for managing one's personal finances and the opportunities and costs with making financial decisions.
Associate Degree Applicable
Transfers to both UC/CSU

BUSAD 110 3 Units
Human Resource Management
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a survey of the objectives, functions, and practices in the management of employee relations, and the impact of employee relations on the effective achievement of the organization's goals. Students will also analyze the steps needed to develop practices in creating a diverse and inclusive work environment.
Associate Degree Applicable
Transfers to CSU only

BUSAD 112 3 Units
Principles of Retailing
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will cover the role of retailing in serving and connecting the needs of diverse communities. The topics will include analysis of consumer needs, store locations, financial requirements, and legal processes of starting a retail operation, planning for store layout, merchandise mix, vendor negotiation, pricing, displaying, advertising, selling, and controlling of merchandise.
Associate Degree Applicable
Transfers to CSU only

BUSAD 120 3 Units
Business Management/Leadership
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is designed for business majors and examines the primary dimensions of the management process including planning, organizing, decision-making and controlling organizational activity within a diverse work force.
Associate Degree Applicable
Transfers to CSU only

BUSAD 127 3 Units
Business Communication
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a study of the principles and role of business communication and the need for communication skills in interacting with diverse populations in a global marketplace. Emphasis is placed on written communications, including business letters, proposals, resumes and other business documents.
Associate Degree Applicable
Transfers to CSU only
C-ID: BUS 115

BUSAD 151 3 Units
Human Relations
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course covers the business concepts of individual, group, and organizational human behavior as they affect human relations, performance, and productivity within the workplace. Strategies and techniques that influence communications, employee leadership and interactions among people—including cultural diversity and its impact—are explored.
Associate Degree Applicable
Transfers to CSU only

BUSAD 210 3 Units
Business Law
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course explores the legal environment in which business operates. It includes an introduction to law and legal reasoning, ethics, torts, strict and products liability, criminal law and contracts.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BUS 125

BUSAD 222 1-3 Units
Independent Study in Business Administration
DIR: 54 contact hours
Students with previous course work in Business Administration may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Business Administration. Prior to registration, a written contract must be prepared jointly by the instructor and the student. See instructor for details.
Associate Degree Applicable
Transfers to CSU only

BUSAD 600 Noncredit
Empowering Yourself in Pursuit of a Career in the Business World
Lecture: 18 contact hours
This noncredit course is designed to help students identify their unique personal characteristics applicable in order to be competitive in today's business world. Students will be able to discover their job skills, personality types, core values, and fit for different organizational cultures while learning how to develop confidence and resilience during a job search process within the career fields of accounting, human resources, finance, marketing, information technology, operations management, or any other business-related field.

BUSAD 601 Noncredit
Essential Writing Skills for Employment in the Business World
Lecture: 18 contact hours
This noncredit course is designed to improve a job seeker's success rate by teaching students how to update their job application skills in preparation to enter the business world. Topics include creating and or updating resumes, cover letters, and responding to the desired selection criteria within the identified business field to assure a higher success rate.

BUSAD 602 Noncredit
Interview Skills for the Business World
Lecture: 18 contact hours
This noncredit course provides essential job interview skills and helps students learn how to prepare for interviews in the business field, both in person and online. In this course, students will learn about how to prepare for, and be successful during a job interview by learning how to research into a company before practicing answering interview questions in both in-person and video format.

BUSAD 603 Noncredit
Understanding the Hidden Job Market in the Business World
Lecture: 18 contact hours
This noncredit course teaches students the key strategies for tapping into this hidden job market through networking. Many jobs in the business field are typically not advertised. Students will start to build an online network, learning the tips to become a successful networker, and putting their value proposition to work. We are already more connected than they might think and this course teaches the skills needed to unlock the hidden job market.

BUSAD 604 Noncredit
Starting Work and Staying Employed in the Business World
Lecture: 36 contact hours
This noncredit course is designed to help job seekers prepare for their first days and weeks at work. The business recruitment journey isn't quite over after being offered a job and this course will help students understand the salary, benefits, and working conditions within a position in a company in order to create a solid foundation for career growth within the business field. Topics include reviewing dress codes, arrival tips, workplace behaviors, creating and maintaining positive workplace relationships, tips for remembering names, when to leave for the day, and how to ultimately keep a job.

BUSAD 611 Noncredit
Skills for Leaders/Managers
Lecture: 18 contact hours
This noncredit course will provide survival skills for new supervisors and those who aspire to move to managerial positions. Necessary skills of time management, leadership, planning, motivation, conducting meetings, communication, handling stress, conflict, and performance appraisals will be discussed. Students will be involved in a variety of management exercises, discussions, current trends in management, and real-world scenarios.

BUSAD 612 Noncredit
Time Management Skills
Lecture: 18 contact hours
This noncredit course will give students practical tips and tools to manage time in academic and business-related situations. Students will learn how to set short-term and long-term goals, prioritize goals and activities, develop plans, and overall organizing a workplace. Topics included will also help identify typical time wasters/time leaks (including procrastination), and ways of overcoming them.

BUSAD 613 Noncredit
Dealing With Difficult People
Lecture: 18 contact hours
This noncredit provides students with the practical techniques for resolving and preventing interpersonal conflicts in the workplace. Whether it's a manager who keeps moving the goal posts, an uncooperative colleague, negative friend, or critical family member, some people are difficult to get along with and this course gives students the strategies to successfully work with them.

BUSAD 614 Noncredit
Listening Skills
Lecture: 18 contact hours
This noncredit course shows students how to acquire active, productive listening skills and put them to work in professional, social, and personal settings. Many managers and other employees spend most of their time listening to other people but often do it so poorly that the result is misunderstood instructions, misdirected projects, and erroneous actions, which oftentimes can be avoided by applying effective listening skills.

BUSAD 615 Noncredit
Quality Customer Service
Lecture: 18 contact hours
This noncredit course offers practical information and techniques to create excellent service to diverse customers. Emphasis will be on the many facets of customer service and how to address each facet successfully.

BUSAD 616 Noncredit
Everyday Essential Business Math Skills
Lecture: 18 contact hours
Everyday Essential Business Math Skills is a comprehensive introduction to the concepts and applications of mathematics to culturally diverse personal and commercial business problems. The noncredit course uses basic arithmetic and problem-solving techniques and illustrates their use in retailing, interest and loans, banking, payroll, taxes, investments, insurance, and a variety of other business dissimilar situations.

BUSAD 620 Noncredit
Creating a Business Plan
Lecture: 24 contact hours
In this noncredit course, students evaluate the many aspects and potential hurdles of the business and build the Business Plan, one step at a time. This practical, hands-on approach encourages students to immerse themselves in the vision and planning aspects of a business. Focusing on the most critical components of the Business Plan, and enables students to uncover hidden risks and assess a business from a marketing, management, and financial vantage point.

BUSAD 621 Noncredit
Strategic Marketing for Entrepreneurs
Lecture: 24 contact hours
This noncredit course provides an overview of successful marketing strategies for small start-up businesses. Students will learn to examine and analyze consumer behavior, identify target market segments, price for profitability, and select promotional tactics. The course emphasizes the integration of these marketing functions into an effective marketing plan.

BUSAD 622 Noncredit
Funding and Financing for Entrepreneurs
Lecture: 24 contact hours
This noncredit course will provide a practical application of basic financial management principles that apply to entrepreneurs. Emphasis is placed on developing useful financial information used in small businesses and business plans. Specifically, this will be accomplished by providing the tools necessary to maintain proper financial records to make budgetary decisions related to cash and financing needs, pricing of products or services, the payment of taxes and loans, and determining profitability to help students become successful entrepreneurs.

BUSAD 623 Noncredit
Legal Issues for Entrepreneurs
Lecture: 24 contact hours
This noncredit course provides students interested in entrepreneurship with an understanding of the common legal issues encountered from the perspective of the business owner. It reviews legal structures, intellectual property, employment law, contracts, government regulation, and personal and real property. Students will apply the concepts learned to select their business structure, learn contract law, properly navigate government regulations, and understand legal parameters related to the management of human resources.

BUSAD 624 Noncredit
Accounting for Entrepreneurs
Lecture: 24 contact hours
This noncredit course is an introductory study of the basic accounting required to manage the financial documentation related to running a small business. Emphasis is placed on the practical application of recording, summarizing, and reporting business transactions for internal purposes as well as for completing federal, state, and local reporting requirements.

BUSAD 625 Noncredit
Leadership and Management for Entrepreneurs
Lecture: 24 contact hours
This noncredit course explores the leadership and management issues entrepreneurs face as they create and establish successful new ventures. It reviews the key managerial roles of planning, organizing, staffing, leading and controlling and their application in entrepreneurial settings. Further, the course addresses self-management for the entrepreneur and how an entrepreneur can manage their own time and maintain a proper work-life balance.

Business Administration Associate of Arts Degree

The Business Administration Associate of Arts degree helps students start or advance careers in the business field. By enrolling in this degree program, students will develop skills required to plan, organize, make effective decisions, communicate, and lead complex organizations. For those already working in the business field, but lack the education to advance their career, obtaining an associate of arts degree in Business Administration can help move to the next level. Two of the greatest benefits of a career in business administration are the flexibility and choice of industries that offer employment. Business Administration graduates can work in fields such as Human Resources, Marketing, Pre-law, Small Business, International Management, Sales, Accounting, Banking Finance, Management, and Import/Export.

Code	Title	Units
Required Courses:		
ACCT 200	Financial Accounting	4
ACCT 201	Managerial Accounting	4
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
BUSAD 100	Introduction to Business	3
BUSAD 103	Marketing Principles	3
BUSAD 210	Business Law	3
CIT 101	Introduction to Computer Literacy	3
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
Total Units		**30**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate mastery of accounting procedures and practices.
b. Evaluate the global economy and its impact on the U.S economy.
c. Demonstrate an understanding of and familiarity with the world of business and its related terminology.
d. Analyze theories, principles, and policies of the United States economic system.
e. Critically assess the relationship between the individual, business, and the global economy.
f. Apply the methods of effective business communication.
g. Describe the legal aspects of business operation.
h. Consider the ethical and social responsibility issues affecting the current business environment.

Business Administration 2.0 Associate in Science for Transfer Degree

The Associate in Science for Transfer (AS-T) in Business Administration 2.0 is designed to provide students with the common core of lower division courses required to transfer and pursue a baccalaureate degree in Business Administration. This includes business degrees with options such as accounting, finance, human resources management, international business, management, operations management, and marketing.

The Associate in Science for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Business Administration 2.0 AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Business Administration should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
ACCT 200	Financial Accounting	4
ACCT 201	Managerial Accounting	4
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
BUSAD 210	Business Law	3
MATH 102	College Algebra	4
or MATH 141	Business Calculus	
or MATH 151	Precalculus	
or MATH C2210	Calculus I: Early Transcendentals	
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
BUSAD 100	Introduction to Business	3
or BUSAD 127	Business Communication	

Code	Title	Units
Major Total Units		**28**
Total Double-Counted Units		**6**
General Education (Cal-GETC) Units		**34**
Elective Units		**4**
Total Units		**60**

Note: CSUSB requires CIT 101 *for their program.*

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify and explain accounting procedures and practices.
b. Evaluate the global economy and its impact on the U.S economy.
c. Recognize the world of business and its related terminology.
d. Analyze theories, principles, and policies of the United States economic system.
e. Critically assess the relationship between the individual, business, and the global economy.
f. Apply the methods of effective business communication.
g. Describe the legal aspects of business operation.
h. Consider the ethical and social responsibility issues affecting the current business environment.

Business Administration Certificate of Achievement

This certificate is designed to prepare students for entry-level work in the business field by providing the fundamentals of business organization and management as well as in marketing and business law.

Code	Title	Units
Required Courses:		
ACCT 010	Bookkeeping	3-4
or ACCT 200	Financial Accounting	
BUSAD 050	Business Math	3
BUSAD 100	Introduction to Business	3
BUSAD 103	Marketing Principles	3
BUSAD 108	Personal Finance, Investments and Estate Planning	3
BUSAD 127	Business Communication	3
CIT 101	Introduction to Computer Literacy	3
COMM C1000	Introduction to Public Speaking	3
or COMM C1000H	Introduction to Public Speaking - Honors	
Total Units		**24-25**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Understand the general nature structure, resources and operations of business organizations.
b. Demonstrate the ability to explain an organization's basic accounting, finance, management, marketing and legal functions.
c. Express business ideas and information effectively in both oral and written forms.

Business Workplace Essential Skills Certificate of Completion

When we think about training in the workplace, soft skills can often be overlooked because they're not as tangible as 'hard skills' like coding or advanced Excel skills. But developing soft skill training for employees is just as important as technical skills. So much has changed with Covid-19 and soft skills training is more important now than ever before. Small business owners if they can reopen have been hit hard and need quality staff to bounce back, staff with great soft skills like customer service, teamwork, problem-solving and empathy will be in high demand. Young adults will find it the hardest getting through that interview without the

experiences of full-time work in the past, they more than anyone will need to develop soft skills training for their resume and practice them so they can have the confidence when under pressure in the interview to set that great first impression.

The Business Workplace Essential Skills Certificate will ensure that you, and your staff, are equipped with the right soft skills to set yourselves up for success in your given roles. Competencies like communication, conflict resolution, and problem solving underpin almost every facet of your business operations. Across every organization, in every business unit and employee role, soft skills are crucial for gaining new clients, improving customer service metrics, and building a stronger team dynamic.

Code	Title	Units
Required Courses:		
BUSAD 611	Skills for Leaders/Managers	0
BUSAD 612	Time Management Skills	0
BUSAD 613	Dealing With Difficult People	0
BUSAD 614	Listening Skills	0
BUSAD 615	Quality Customer Service	0
BUSAD 616	Everyday Essential Business Math Skills	0
Total Hours		**96-108**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Adapt best practices to your own organization to ensure that you are successful in achieving diversity and inclusion in your organization.
b. Leverage best practices for organizing your work, your schedule, and your life.
c. Identify and implement strategies for preventing and dealing with different types of difficult behavior.
d. Explain the role of problem solving in customer service and how to turn problems into opportunities.
e. Master a range of listening skills that you can use on the job and in your personal life.
f. Develop knowledge, skills, and judgment around human communication that facilitate their ability to work collaboratively with others.

Career Essentials for the Business World Certificate of Completion

The Career Essentials for the Business World Certificate is an applied program that will provide the essential tools needed for students to be successful in their current and future careers. This certificate builds knowledge, skills and confidence for students to find a rewarding job, advance in a career, and increase their overall success in the business world.

Code	Title	Units
Required Courses:		
BUSAD 600	Empowering Yourself in Pursuit of a Career in the Business World	0
BUSAD 601	Essential Writing Skills for Employment in the Business World	0
BUSAD 602	Interview Skills for the Business World	0
BUSAD 603	Understanding the Hidden Job Market in the Business World	0
BUSAD 604	Starting Work and Staying Employed in the Business World	0
Total Hours		**96-108**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Describe the techniques needed to improve career readiness and to secure a job in the business setting.
b. Understand the job search process.
c. Recognize the qualities, skills, and abilities of the candidates applying for jobs within the business world.
d. Create a professional resume, cover letter, and other resources needed for a successful job search.
e. Describe how to communicate and work cooperatively with individuals in the workplace.
f. Develop employability skills such as working on a team, problem solving and organizational skills.
g. Describe how to to respect individual uniqueness in the workplace through diversity, equity and inclusion.
h. Explain how the changing workplace requires lifelong learning and acquiring new skills.

Entrepreneurship - General Certificate of Achievement

The Entrepreneurship - General certificate provides students with an understanding of small business planning, financial management, and integrated business topics on entrepreneurship and small business management. Upon completion of this program students will be able to examine small business marketing opportunities, identify innovative small business strategies, evaluate financial management decisions, and address the challenges and opportunities specific to small business management and entrepreneurship.

Code	Title	Units
Required Courses:		
BUSAD 050	Business Math	3
BUSAD 103	Marketing Principles	3
BUSAD 105	Small Business Management/Entrepreneurship	3
BUSAD 106	Principles of Selling	3
BUSAD 110	Human Resource Management	3
BUSAD 120	Business Management/Leadership	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Design and develop a comprehensive business plan to start a small business.

b. Design and develop a comprehensive small business marketing plan by using appropriate marketing strategies.
c. Compile and prepare accurate financial information for tax compliance and informed business decisions.

Entrepreneurship - Real Estate Certificate of Achievement

This certificate is designed for students who are interested in studying to become their own real estate broker, real estate manager or work in the field of property management. The certificate program provides students with an overview of the different areas of the real estate market and will help guide the student to be an independent broker/agent, to run your own real estate practice, or property management company.

Code	Title	Units
Required Courses:		
BUSAD 103	Marketing Principles	3
BUSAD 105	Small Business Management/Entrepreneurship	3
BUSAD 106	Principles of Selling	3
REALST 062	Real Estate Practice	3
REALST 063	Real Estate Loan Processing Fundamentals	3
REALST 100	Real Estate Principles	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Have a working knowledge of the principles of entrepreneurship to analysis and problem solving to be applied with their selected field of real estate.
b. Create and start new ventures within their selected field of real estate.
c. Manage and grow new ventures.
d. Demonstrate knowledge of current information, theories and models, and techniques and practices in all of the major business disciplines including the general areas of Accounting and Finance, Information Technologies, Management, Marketing, and Quantitative Analysis.

Entrepreneurship - Tax Certificate of Achievement

This certificate is designed for students who are interested in studying taxation for their own professional practice or a venture in family business as well as for those who are interested in developing tax skills, creative thinking and innovative approaches as a career builder in working for small or large corporations. The certificate program provides students with an overview of the different areas of taxation and provides them with the skills and knowledge they need to identify and resolve many tax issues.

Code	Title	Units
Required Courses:		
ACCT 010	Bookkeeping	3
ACCT 030	Federal and State Individual Income Taxation	4
ACCT 047	Computerized Accounting	3
ACCT 090	Payroll Accounting	3
BUSAD 103	Marketing Principles	3
BUSAD 105	Small Business Management/Entrepreneurship	3
BUSAD 106	Principles of Selling	3
Total Units		**22**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze and problem solve within their tax preparation/bookkeeping venture.
b. Create and start new ventures associated to tax preparation.
c. Manage and grow their tax preparation/bookkeeping venture.
d. Demonstrate knowledge of current information, theories and models, and techniques and practices in all of the major business disciplines including the general areas of Accounting and Finance, Information Technologies, Management, Marketing, and Quantitative Analysis.

Leadership Certificate of Achievement

The certificate in Leadership provides students with a foundation and understanding of basic business philosophies, skills and techniques that are required to become productively employed in assisting in the management of a business enterprise. This program is designed for students who wish to prepare for a career in the administration of modern organizations. It surveys the functional operations of business organizations, giving special consideration to the management of human resources, law, ethics, marketing, accounting practices, and economics.

Code	Title	Units
Required Courses:		
ACCT 200	Financial Accounting	4
BUSAD 110	Human Resource Management	3
BUSAD 120	Business Management/Leadership	3
BUSAD 127	Business Communication	3
BUSAD 151	Human Relations	3
BUSAD 210	Business Law	3
CIT 101	Introduction to Computer Literacy	3
Total Units		**22**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Gain an understanding of current management/leadership practices and problems related to human behavior in organizations. They will understand the theories related to actual business practices and diagnose the organizational context and its critical importance.

Analysis and discussions will encompass planning, organizing, controlling, decision making, communication, motivation, leadership, human resource development, information systems, and social responsibility.

b. Develop a comprehensive set of practical skills and tools to rely on through leadership practice. Such skills and tools include time management, meeting management and agenda setting, group dynamics and team building.
c. Communicate effectively (utilizing written and spoken word, non-verbal language, electronic tools, and listening skills) in order to develop relationships, manage conflicts, and work across differences.
d. Develop an understanding of change processes, and be able to think critically about obstacles to change.
e. Understand how ethics, morals, and values relate to their leadership dilemmas.
f. Develop a range of leadership skills and abilities such as effectively leading change, resolving conflict and motivating others.

Practical Entrepreneurship Certificate of Completion

Thinking about starting your own business, but don't know where to start? Entrepreneurship has become a fast-growing field of study as many individuals contemplate starting a new venture or establishing their own business, especially during these turbulent economic times. The Practical Entrepreneurship Certificate prepares students to start, run, and manage a new or existing business and addresses basic issues potential entrepreneur's encounter. This certificate identifies methods for developing an individual's business idea(s), its feasibility, the process of starting a business, how to acquire necessary resources, and the key parts of a business plan (development and execution). Students will develop an understanding of legal issues, marketing, financing, entrepreneurial resources, and complex tasks faced by individuals engaged in entrepreneurial activities.

Code	Title	Units
Required Courses:		
BUSAD 620	Creating a Business Plan	0
BUSAD 621	Strategic Marketing for Entrepreneurs	0
BUSAD 622	Funding and Financing for Entrepreneurs	0
BUSAD 623	Legal Issues for Entrepreneurs	0
BUSAD 624	Accounting for Entrepreneurs	0
BUSAD 625	Leadership and Management for Entrepreneurs	0
Total Hours		**132-144**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate knowledge of the business legal structures and the laws and regulations for start-up businesses.
b. Apply basic marketing techniques to develop simple promotion, pricing, and distribution plans, and to identify markets.
c. Demonstrate knowledge of accounting principles and techniques essential for managing the operations of a small business.
d. Demonstrate knowledge needed to create and effectively pitch a business plan to prospective lenders and investors.
e. Identify and apply the key managerial roles of planning, organizing, staffing, leading and controlling applications in entrepreneurial settings.

Retail Management Certificate of Achievement

This certificate is designed to prepare students for entry-level work in the retail management field. Beginning as a clerk or cashier, the student can advance to assistant manager, manager, and upper management. There is no required sequence of courses, but it is recommended that students structure their schedule to move through three general levels of training and experiences. In the foundational courses the students gain exposure to foundational courses in writing, speaking, math applications, and computer literacy. The intermediate course offerings cover specific business and management content. Lastly, the advanced course offerings include the retail specific courses and human relations topics.

Code	Title	Units
Foundational Courses:		
BUSAD 050	Business Math	3
BUSAD 127	Business Communication	3
CIT 101	Introduction to Computer Literacy	3
Intermediate Courses:		
BUSAD 103	Marketing Principles	3
BUSAD 120	Business Management/Leadership	3
Advanced Courses:		
BUSAD 110	Human Resource Management	3
BUSAD 112	Principles of Retailing	3
BUSAD 151	Human Relations	3
Total Units		**24**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Interpret and use oral instructions to complete assigned tasks; speak clearly and produce written documents for a diverse group of customers, coworkers and managers utilizing current business terminology
b. Employ workforce readiness skills, including problem solving, organizational planning and time management
c. Use an understanding of basic business principles and organizational priorities to make decisions about work being performed
d. Understand the retail cycle and its implementation, which includes customer analysis, sourcing and product design, product development, merchandising and display

Chemistry

The Chemistry program is committed to providing an inclusive, engaging, and rigorous learning environment where all students feel welcomed and supported in their academic journey. Chemistry is foundational to understanding the world around us. The program equips students with critical thinking, problem-solving, and scientific reasoning skills that are essential in today's complex and diverse society.

The program serves a broad spectrum of students, including:

a. Students majoring in chemistry or related scientific fields,
b. Students pursuing careers in the health sciences, and
c. Students completing general education science requirements.

Courses emphasize active learning and hands-on experiences, with laboratory components playing a central role. Students work directly with a wide range of scientific instruments, preparing them for professional work or further study.

Students intending to transfer to a four-year institution to major in chemistry or biochemistry are encouraged to meet with a counselor early in their academic career. Transfer requirements can vary by university, and personalized academic planning helps ensure that all necessary lower-division coursework is completed for a smooth transition.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chair: Jessy Lemieux (jlemieux@sbccd.edu), Ph.D.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Chemistry Associate in Science for Transfer Degree
- Chemistry Associate of Science Degree

CHEM 101 4 Units
Introductory Chemistry
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
Introductory chemistry involves the study of the material makeup of our world and its relationship to life, the natural environment, and our lived experiences. General scientific principles including scientific observation and measurement are also introduced. This course is designed to prepare students for careers in nursing, medicine, engineering and other science and allied health professions.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CHEM 101

CHEM 104 4 Units
Introduction to Organic Chemistry and Biochemistry
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: CHEM 101
This course is an introduction to the bonding, naming, structure, and chemical and biomolecular properties for different classes of organic compounds and biomolecules, with a focus on their cellular, medicinal and industrial importance.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CHEM 102

CHEM 105 5 Units
Introduction to General, Organic and Biochemistry
Lecture: 54 contact hours
Lab: 108 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course provides a foundation for the concepts of general, organic, and biochemistry for students who wish to pursue allied health fields such as nursing. Some of the areas studied include the physical and chemical properties of common elements and compounds, the SI system, measurements and conversions, atomic structure, the periodic table, chemical equations and calculations, gases, solutions, electrolytes as well as an introduction to the bonding, naming, structure, and chemical and biological properties for different classes of organic compounds and biomolecules, with a focus on their cellular, medicinal, and commercial importance.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CHEM 102

CHEM 150 5 Units
General Chemistry I
Lecture: 54 contact hours
Lab: 108 contact hours
Prerequisite/Corequisite: MATH 102 or placement into MATH 102 based on the SBVC Guided-Self Placement process.
Prerequisite: CHEM 101 or CHEM 105
General Chemistry I is first-semester college-level chemistry with an emphasis on the mole concept, thermochemistry, atomic and molecular structure, the relationships of intramolecular and intermolecular forces to chemical and physical properties, the periodic table, organic chemistry, and solids, liquids and gases.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CHEM 110/120S

CHEM 151 5 Units
General Chemistry II
Lecture: 54 contact hours
Lab: 108 contact hours
Prerequisite: CHEM 150 and MATH 102 or MATH 151 or placement into MATH 250 based on the SBVC Guided-Self Placement process.
General Chemistry II is the second half of a two-part sequence in chemistry with an emphasis on thermodynamics, chemical equilibrium, chemical kinetics, nuclear and electrochemistry. This course prepares students for future courses and careers in chemistry, physics, biology, health sciences, and the earth sciences.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CHEM 120S

CHEM 205 5 Units
Quantitative Chemical Analysis
Lecture: 54 contact hours
Lab: 108 contact hours
Prerequisite: CHEM 151
This course explores the principles, calculations, and applications of volumetric, gravimetric, and instrumental analysis as well as provides practical experience in standardizing reagents and determining the composition of various mixtures pertaining to the chemical laboratory setting. It is designed for second year Chemistry and Biology majors and students pursuing professional careers.
Associate Degree Applicable
Transfers to both UC/CSU

CHEM 212 5 Units
Organic Chemistry I
Lecture: 54 contact hours
Lab: 108 contact hours
Prerequisite/Corequisite: CHEM 151
This course examines the properties, synthesis, and reactions of organic compounds, those that contain carbon, which includes many important modern materials, such as plastic and pharmaceuticals. It also provides the foundational background to later learn about the chemistry of biological systems.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CHEM 150/160S

CHEM 213 5 Units
Organic Chemistry II
Lecture: 54 contact hours
Lab: 108 contact hours
Prerequisite: CHEM 212
The second semester of organic chemistry continues the study of carbon compounds including aliphatic, aromatic and heterocyclic series, theoretical concepts, instrumentation, mechanisms, synthesis and functional groups. Laboratory includes preparation and study of properties, and extensive identification of organic compounds.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CHEM 160S

Chemistry Associate in Science for Transfer Degree

The Associate in Science for Transfer (AS-T) in Chemistry is designed for students planning to transfer and complete a Bachelor's degree in Chemistry or a related field at a CSU campus. The program provides a broad, in-depth foundation in chemistry, preparing students for upper-division coursework at a four-year institution where they may choose to specialize in areas such as Environmental, Organic, Analytical, or Physical Chemistry.

The Chemistry Department offers a comprehensive curriculum across its introductory course sequence, giving students the academic preparation and exploratory opportunities needed to build a successful path in the field.

Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn the Chemistry AS-T, students must meet the following requirements:

- Completion of all major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units.
- Completion of a minimum of 60 Cal-GETC transferable semester units, with a minimum grade of "C" (2.0 on a 4.0 scale) in each course.

Students planning to transfer and major in Chemistry should consult with a counselor regarding the transfer process and lower-division requirements.

Code	Title	Units
Required Courses:		
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
CHEM 212	Organic Chemistry I	5
CHEM 213	Organic Chemistry II	5
PHYSIC 202	Physics I	4
PHYSIC 203	Physics II	4
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4

Code	Title	Units
Major Total Units		**36**
Total Double-Counted Units		**7**
General Education (Cal-GETC) Units		**34**
Elective Units		**0-3**
Total Units		**63-66**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply fundamental principles of chemistry, including stoichiometry, bonding theory, thermodynamics, equilibrium, and kinetics, to solve quantitative and qualitative problems and predict the properties and behavior of chemical systems.
b. Demonstrate proficiency in organic chemistry by predicting reaction mechanisms, products, and synthetic pathways, as well as analyzing the stability and reactivity of organic compounds based on their structures and functional groups.
c. Interpret and analyze spectroscopic data, including infrared (IR), mass spectrometry (MS), and nuclear magnetic resonance (NMR) spectra, to elucidate the structures of organic compounds and justify reaction predictions.
d. Exhibit competency in laboratory techniques, including assembling experimental setups, collecting and analyzing data, performing calculations, and effectively communicating the results of experiments.

Chemistry Associate of Science Degree

The Associate of Science degree in Chemistry is designed to provide students with a strong foundation in the fundamental principles of chemistry, including organic and inorganic chemistry, and biochemistry. This degree prepares students for a variety of career paths in fields such as pharmaceuticals, materials science, environmental science, and chemical engineering. Additionally, this degree is intended to provide students with the necessary knowledge and skills to transfer to a four-year university to pursue a Bachelor's degree in Chemistry or a related field. Upon transfer to a four-year institution, students may choose to specialize in one particular aspect of chemistry, such as Environmental Chemistry, Organic Chemistry, Atmospheric Chemistry, or Physical Chemistry.

To graduate with the A.S degree in chemistry, students must complete the following required courses plus the general breadth requirements for the Associate's Degree (minimum total = 60 units). Students planning to transfer to a four-year institution and major in Chemistry should consult with a STEM counselor or general counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
CHEM 212	Organic Chemistry I	5
CHEM 213	Organic Chemistry II	5
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
Total Units		**28**

Code	Title	Units
Recommended Courses: [1]		
CHEM 205	Quantitative Chemical Analysis	5
PHYSIC 202	Physics I	4
or PHYSIC 151	General Physics for the Life Sciences I	

PHYSIC 203	Physics II	4
or PHYSIC 152	General Physics for the Life Sciences II	

[1] *These courses are typically prerequisites for third year chemistry majors. Students are encouraged to complete the recommended courses to prevent the postponement of continued coursework in this major.*

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply fundamental principles of chemistry, including stoichiometry, bonding theory, thermodynamics, equilibrium, and kinetics, to solve quantitative and qualitative problems and predict the properties and behavior of chemical systems.
b. Demonstrate proficiency in organic chemistry by predicting reaction mechanisms, products, and synthetic pathways, as well as analyzing the stability and reactivity of organic compounds based on their structures and functional groups.
c. Interpret and analyze spectroscopic data, including infrared (IR), mass spectrometry (MS), and nuclear magnetic resonance (NMR) spectra, to elucidate the structures of organic compounds and justify reaction predictions.
d. Exhibit competency in laboratory techniques, including assembling experimental setups, collecting and analyzing data, performing calculations, and effectively communicating the results of experiments.

Child Development

The Child Development Department has both an academic and vocational orientation. The academic program leads students along a path toward an Associate of Arts degree that articulates with higher education and transfers into continued study suitable for a baccalaureate degree. Students planning to transfer to a four-year institution and major in child development or a related field should consult with a counselor regarding the transfer process and lower division requirements.

The vocational program, which interfaces with the academic program, prepares students for immediate employment. Certificates offered by the Child Development Department prepare students for work and to qualify in Child Development Permits through the California Commission on Teaching Credentialing and to work with specific age groups: Infant and School Age. The Family Child Care Provider Certificate provides a curriculum to prepare students to establish quality family childcare centers in their homes.

General Education Courses and Electives

The Child Development Department advises scheduling an appointment with a counselor to create an education plan to include the general breadth requirements and elective units.

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chairs: Kellie Barnett (kbarnett@sbccd.edu), M.S., and Denise Knight (dknight@sbccd.edu), M.A.

Counselor Liaisons:

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- Child and Adolescent Development Associate in Arts for Transfer Degree
- Child Development - Associate Teacher Certificate of Achievement
- Child Development - Early Intervention and Inclusion Associate of Arts Degree
- Child Development - Early Intervention and Inclusion Certificate of Achievement
- Child Development - Family Child Care Provider Certificate of Achievement
- Child Development - Infant and Toddler Certificate of Achievement
- Child Development - Master Teacher Certificate of Achievement
- Child Development - School-Age Certificate of Achievement
- Child Development - Site Supervisor Certificate of Achievement
- Child Development - Teacher Certificate of Achievement
- Child Development Associate of Arts Degree
- Early Childhood Education Associate in Science for Transfer Degree

CDEV C1000 3 Units
Child Growth and Development
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
Students examine the progression of development in the physical, cognitive, social, and emotional domains and identify developmental milestones for children from conception through adolescence. Emphasis is on interactions between biological processes, environmental, and cultural factors. Students may engage in various methods of observing children's development to evaluate individual differences and analyze development characteristics at various stages according to developmental theories. (Formerly CD 105)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CDEV 100

CDEV C1000H 3 Units
Child Growth and Development - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
Students examine the progression of development in the physical, cognitive, social, and emotional domains and identify developmental milestones for children from conception through adolescence. Emphasis is on interactions between biological processes, environmental, and cultural factors. Students may engage in various methods of observing children's development to evaluate individual differences and analyze development characteristics at various stages according to developmental theories. This is an honors course. (Formerly CD 105H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CDEV 100

CDEV 061 3 Units
Activities for School-Age Children
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course is a survey of programs and activity planning for school-age children, including both before-and after-school activities for groups and individuals. Inclusive and culturally responsive teaching practices in school age programs are emphasized. (Formerly CD 061)
Associate Degree Applicable

CDEV 075 3 Units
Family Child Care Practices
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course is designed to meet the specific needs of the family child care provider. The emphasis is on learning licensing regulations, good business practices, age appropriate curriculum, healthy environments, positive guidance, and basic child development. Other topics include creating partnerships with parents, maintaining health and safety and working with children from diverse backgrounds, including children with special needs and disabilities. (Formerly CD 075)
Associate Degree Applicable

CDEV 100 3 Units
Introduction to Child Development
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course is an introduction to and overview of the field of child development, designed to familiarize students with the broad aspects of the profession, philosophies, theories and principles of caring for children in a variety of settings. (Formerly CD 100)
Associate Degree Applicable
Transfers to CSU only

CDEV 108 3 Units
Early Childhood Development
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course covers the development of children from two years to eight years old. Specifically, this course explores prominent theories related to early childhood development, typical and atypical development of children from two to eight years, contextual influences, and methods of studying the development of young children. (Formerly CD 108)
Associate Degree Applicable
Transfers to both UC/CSU

CDEV 109 3 Units
Childhood Stress and Trauma
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course provides a comprehensive overview of theories, concepts and issues related to childhood stress and trauma. Emphasis is on the short-term and long-term effects that stress and trauma have on the physical, cognitive, language, social and emotional stages of a child's development. Students are introduced to child behavior patterns and potential responses to stress and trauma. Students examine research and innovative methods that support a child's coping skills and healing process. This course is designed to help early childhood practitioners and parents understand how children react and adapt to stress and trauma and to learn strategies to support and care for children. (Formerly CD 109)
Associate Degree Applicable
Transfers to both UC/CSU

CDEV 111 3 Units
Observation and Assessment in Child Development
Lecture: 54 contact hours
Prerequisite/Corequisite: CDEV C1000 or CDEV C1000H
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course covers the appropriate use of a variety of assessment and observation strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools are discussed, along with respectful strategies for collaboration with diverse families and professionals. This course requires a minimum of 15 hours observing children. (Formerly CD 111)
Associate Degree Applicable
Transfers to CSU only
C-ID: ECE 200

CDEV 113 3 Units
Principles and Practices of Teaching Young Children
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course examines the historical and theoretical perspectives of developmentally appropriate practices in early care and education for children from birth through age eight. Typical roles and expectations of early childhood educators are explored. Professional ethics, career pathways and professional standards are identified. Students learn best practices for developmentally and culturally appropriate learning environments, curriculum, and effective pedagogy for young children, including how play contributes to children's learning, growth and development. (Formerly CD 113)
Associate Degree Applicable
Transfers to CSU only
C-ID: ECE 120

CDEV 114 3 Units
Introduction to Curriculum
Lecture: 54 contact hours
Prerequisite: CDEV C1000 or CDEV C1000H
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course presents an overview of developmentally appropriate curriculum and environments for children from birth through eight. Students use knowledge of children's development, theories of learning and development, culturally respectful practices and examples from various models of developmentally appropriate practice, to plan environments and curriculum in all content areas to support children's development and learning integrated throughout the indoor and outdoor settings. (Formerly CD 114)
Associate Degree Applicable
Transfers to CSU only
C-ID: ECE 130

CDEV 115 3 Units
Health, Safety and Nutrition
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course covers an introduction to the laws, regulations, standards, policies, procedures and best practices related to health, safety, and nutrition in care and education settings for children from birth through middle childhood. Content in this course includes the teacher's role in prevention strategies, nutrition and meal planning, integrating health, safety and nutrition experiences into daily routines, and overall risk management. Respectful culturally responsive collaboration with families, staff and health professionals is included. (Formerly CD 115)
Associate Degree Applicable
Transfers to CSU only
C-ID: ECE 220

CDEV 126 3 Units
Child, Family, and the Community
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course examines the processes of socialization, focusing on the interrelationships of family, school, and community. Multiple societal contexts are examined. The course explores the role of the collaboration between family, community and schools in supporting children's development, from birth through adolescence. (Formerly CD 126)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CDEV 110

CDEV 127 3 Units
Guidance of Children
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course presents a developmental approach to the guidance and discipline of children. Effective guidance theories and methods are presented for teachers and professionals working with children, including children with special needs. Effective communication methods for early childhood educators working with children and their parents will be emphasized. (Formerly CD 127)
Associate Degree Applicable
Transfers to CSU only

CDEV 130 3 Units
Creative Music and Movement for Children
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course explores the importance of music and movement in the development of children ages two through eight. Because children's physical and motor maturation influences all other aspects of development this course focuses on planning for motor skill progression though creative and teacher-guided movement. There is equal emphasis on developmentally appropriate musical activities and on rhythmic experiences with musical instruments and creative props. (Formerly CD 130)
Associate Degree Applicable
Transfers to CSU only

CDEV 133 3 Units
Creative Science and Math Activities for Children
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course focuses on planning and implementing creative and developmentally appropriate science and math activities for young children. Content includes: life science, physical science, and earth science; creation of scientific environment in the classroom; scientific concepts and the science process skills (observing, comparing, measuring, classifying and predicting); the basic math concepts (classifying, ordering, seriation, patterning, number sense, simple reasoning and counting); and how to create a math environment. (Formerly CD 133)
Associate Degree Applicable
Transfers to CSU only

CDEV 134 3 Units
Language, Listening and Literature for Children
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course emphasizes the process of language acquisition in children and techniques and experiences which promote language development and listening skills. It includes the examination of children's literature; teaching strategies for reading picture books to children; presenting poetry; flannel board activities; puppetry and storytelling in the classroom for children ages two through eight. (Formerly CD 134)
Associate Degree Applicable
Transfers to CSU only

CDEV 136 3 Units
Creative Art Experiences for Children
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course focuses on establishing an environment for young children that cultivates and nourishes creativity and their aesthetic sense. It includes the principles of creative development; instructional strategies; materials, tools and equipment in an art program; and developmentally appropriate activities and experiences which underscore the emotional, social, physical, and cognitive needs of children from two through eight years of age. (Formerly CD 136)
Associate Degree Applicable
Transfers to CSU only

CDEV 137 3 Units
Play and Materials for Children
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course introduces the theories and pedagogies of play and inquiry based learning and development. A focus of the course is on how play, inquiry, pedagogy, assessment and planning are purposefully and holistically integrated across a range of learning contexts. Child centered approaches are examined with a focus on using environments and resources to plan and support learning and development. (Formerly CD 137)
Associate Degree Applicable
Transfers to CSU only

CDEV 138 3 Units
Teaching in a Diverse Society
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course is an examination of the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning and school experiences. Strategies for developmentally, culturally and linguistically appropriate anti-bias curriculum are explored, as well as approaches to promote inclusive and anti-racist classroom communities. The course includes self-reflection on the influence of a teacher's own culture and life experiences on teaching and interactions with children and families. (Formerly CD 138)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ECE 230

CDEV 160 3 Units
Middle Childhood Development
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
In this course students examine the processes of child development during the middle childhood years from 6 to 12 years. This course is designed to prepare students with a thorough understanding of how school-age children change as they develop and to also give students an appreciation for the diverse sources of influence on development. This course includes the study of developmental theories and the practical implications of those theories. Students will be introduced to broad substantive areas related to learning and teaching. (Formerly CD 160)
Associate Degree Applicable
Transfers to both UC/CSU

CDEV 185 3 Units
Infant/Toddler Growth and Development
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course explores the physical, social-emotional, cognitive, and language development of children from birth to age three. It fulfills the California licensing requirements for infant center personnel and includes infant/toddler interactions and curriculum. (Formerly CD 185)
Associate Degree Applicable
Transfers to CSU only

CDEV 186 3 Units
Infant and Toddler Curriculum
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course is a survey of program and curriculum planning for infants and toddlers child care and education settings, including early intervention and inclusive programs, emphasizing curriculum and principles and practices of quality care and developmentally appropriate practices specific to infants, toddlers and two-year-old children, birth to three years. (Formerly CD 186)
Associate Degree Applicable
Transfers to CSU only

CDEV 205 4 Units
Child Development Practicum / Field Experience
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: CDEV C1000 or CDEV C1000H and CDEV 113 and CDEV 114 and CDEV 126
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
Students learn teaching skills through the demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. This course also includes exploration of career pathways, professional development, and teacher responsibilities. (Formerly CD 205)
Associate Degree Applicable
Transfers to CSU only
C-ID: ECE 210

CDEV 215 4 Units
Early Intervention and Inclusion Internship
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: CDEV C1000 or CDEV C1000H and CDEV 244
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course provides a supervised internship as an assistant in an early intervention or inclusion setting with children from birth through eight years. It explores the unique development and guidance of infants, toddlers and young children with disabilities and other special needs. Adaptation of curriculum, natural environments, identification and assessment are discussed. (Formerly CD 215)
Associate Degree Applicable
Transfers to CSU only

CDEV 244 3 Units
Children with Special Needs
Lecture: 54 contact hours
Prerequisite: CDEV C1000 or CDEV C1000H
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course introduces the physical, social, emotional and intellectual characteristics of children with disabilities and other special needs. It covers teaching strategies that are sensitive to children with special needs and their families, as well as the legal requirements of educating children with disabilities or other special needs. (Formerly CD 244)
Associate Degree Applicable
Transfers to CSU only

CDEV 245 3 Units
Early Intervention and Inclusion
Lecture: 54 contact hours
Prerequisite: CDEV C1000 or CDEV C1000H and CDEV 244
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course focuses on theories, research and practical teaching strategies in early intervention and inclusion and early childhood special education. Students learn intervention techniques and strategies to work with children with disabilities and other special needs. (Formerly CD 245)
Associate Degree Applicable
Transfers to CSU only

CDEV 270 3 Units
Adult Supervision and Mentoring in Early Care and Education
Lecture: 54 contact hours
Prerequisite: CDEV C1000 or CDEV C1000H
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course presents methods and principles for supervising student teachers, volunteers, staff, and other adults in early care and education settings. The roles and development of early childhood professionals as mentors and leaders is emphasized. (formerly CD 270)
Associate Degree Applicable
Transfers to CSU only

CDEV 271 3 Units
Administration I: Programs in Early Childhood Education
Lecture: 54 contact hours
Prerequisite: CDEV C1000 or CDEV C1000H and CDEV 126
Departmental Recommendation: ENGL C1000 or ENGL C1000H or READ 100
This course is an introduction to the administration of early childhood programs. It covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. This course also examines the administrative tools, philosophies, and techniques needed to organize, open, and operate and early care and education program. (Formerly CD 271)
Associate Degree Applicable
Transfers to CSU only

CDEV 272 3 Units
Administration II: Personnel and Leadership in Early Childhood Education
Lecture: 54 contact hours
Prerequisite: CDEV C1000 or CDEV C1000H and CDEV 126
Departmental Recommendation: CDEV 271 and ENGL C1000 or ENGL C1000H or READ 100
This course provides effective strategies for personnel management and leadership in early care and education settings. It includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. (Formerly CD 272)
Associate Degree Applicable
Transfers to CSU only

CDEV 601 Noncredit
Parent-Child Interaction
Lecture: 54 contact hours
This noncredit course includes general concepts, goals and strategies of parenting through the life span in varying life circumstances and diverse family types. Establishing and maintaining close emotional relationships through bonding, attachment, and effective communication techniques with children at all developmental stages is emphasized. Effective guidance skills, shaping and modifying children's behavior are explored. (Formerly CD 601)

Child and Adolescent Development Associate in Arts for Transfer Degree

The Associate in Arts for transfer in Child and Adolescent Development is designed to provide the lower division major courses to transfer to a California State University and earn a bachelor's degree in Child and Adolescent Development, Child Development, Human Development or a related field of study at a California State University (CSU). Course offerings are drawn from psychology, anthropology, sociology, child development and biology. The lower division course work examines research and best practices for positive outcomes for children from conception through adolescence. This interdisciplinary program of study is intended for students who aspire to careers in developmental research, public policy, social work, school psychology, education and similar fields working with children and adolescents. This degree is designed for students who wish to eventually work in fields with youth and adolescents from 9-18 years old and not for students wishing to teach in early childhood education.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Child and Adolescent Development AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Early Childhood Education should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
PSYC 105	Statistics for the Behavioral Sciences	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
or ECON 208	Business and Economic Statistics	
List A - Three courses:		
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
BIOL C1000	Introduction to Biology with Lab	4
CDEV 126	Child, Family, and the Community	3
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 130	Family Sociology	3
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
PSYC 111	Developmental Psychology: Lifespan	3
Two courses maximum from the following:		
CDEV 111	Observation and Assessment in Child Development	3
CDEV 138	Teaching in a Diverse Society	3
CDEV 160	Middle Childhood Development	3

Code	Title	Units
Major Total Units		**19-20**
Total Double-Counted Units		**12**
General Education (Cal-GETC) Units		**34**
Elective Units		**18-19**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze theories and research related to the psychological, physical, and cognitive development of children and adolescents.
b. Identify, describe and analyze sociological and cultural influences on the development of children and adolescents.
c. Identify, describe and analyze biological and environmental factors that influence human development from conception through adolescence.
d. Analyze, describe and use inclusive, equitable, antibias and antiracist teaching practices and family interactions for working with children and families.

Child Development - Associate Teacher Certificate of Achievement

The Associate Teacher Certificate is designed to be the first step toward obtaining entry-level employment in the field of Early Childhood Education in a preschool or child care setting. The Associate Teacher Certificate requires 19 CD units which includes four units of practicum/ supervised experience with young children.

This Certificate meets the unit and course requirements towards the California Title 5 requirements for the Child Development Associate Teacher Permit. Applications may be obtained through the California Commission on Teacher Credentialing Office or the Child Development Training Consortium (CDTC). After students take CD 205, more days of experience are needed to meet the 50 days of experience requirement for the CD Associate Teacher Permit.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 113	Principles and Practices of Teaching Young Children	3
CDEV 114	Introduction to Curriculum	3
CDEV 126	Child, Family, and the Community	3
One Course from the Following:		
CDEV 109	Childhood Stress and Trauma	3
CDEV 127	Guidance of Children	3
Required Course for Experience Working with Children		
CDEV 205	Child Development Practicum / Field Experience	4
Total Units		**19**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop a personal philosophy that reflects an understanding of: a) typical and atypical child development in all developmental domains, b) developmentally appropriate practices in CD programs c) ethical standards and professional behaviors when working with children and families and d) indictors of high quality early childhood programs.
b. Design and communicate the processes and activities that support developmentally appropriate play and learning for children.
c. Identify and explain the resources that promote supportive relationships and partnerships between programs, teachers, families and their communities.
d. Develop positive guidance and interaction strategies that support young children's learning and self-confidence.
e. Create developmentally appropriate curriculum plans.

f. Describe, analyze and use respectful inclusive, equitable, antibias and antiracist teaching practices and family interactions in early childhood environments.

Child Development - Early Intervention and Inclusion Associate of Arts Degree

This degree prepares individuals to work as early childhood paraprofessionals with expertise in special education and early intervention. The Child Development courses meet the State's competencies for early childhood intervention/early childhood special education paraprofessionals. To graduate with a specialization in Child Development-Early Childhood Intervention and Inclusion, students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum 60 semester units).

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 111	Observation and Assessment in Child Development	3
CDEV 126	Child, Family, and the Community	3
CDEV 127	Guidance of Children	3
CDEV 185	Infant/Toddler Growth and Development	3
CDEV 186	Infant and Toddler Curriculum	3
CDEV 244	Children with Special Needs	3
CDEV 245	Early Intervention and Inclusion	3
Required Courses for Experience Working with Children: (8 units)		
CDEV 215	Early Intervention and Inclusion Internship	4
CDEV 205	Child Development Practicum / Field Experience	4
Total Units		**32**

Code	Title	Units
Recommended Course:		
CDEV 109	Childhood Stress and Trauma	3

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Differentiate characteristics of typical and atypical development and identify developmental milestones in all domains.
b. Identify and use appropriate inclusion strategies and create adaptations with children with a variety of disabilities and special needs in early childhood settings.
c. Develop, create, and modify curriculum and individualized education plans to work with children with special needs and disabilities.
d. Recognize and apply laws and regulations related to working with children and families with disabilities and special needs.
e. Identify and assess resources for children and families with special needs and disabilities and advocate for the needs of all children and families.
f. Write and speak clearly to communicate with other professionals, parents and colleagues.
g. Analyze, describe and use inclusive, equitable, antibias and antiracist teaching practices and family interactions for working with children and families.

Child Development - Early Intervention and Inclusion Certificate of Achievement

The Early Intervention and Inclusion Certificate prepares individuals to work as early childhood paraprofessionals with expertise in special education and early intervention. The program's perspective is culturally sensitive and family-focused which emphasizes the value of individual differences in young children. This certificate meets the State's competencies for early childhood intervention/early childhood special education paraprofessionals.

This Certificate meets California Title 5 requirements for the Child Development Associate Teacher Permit. Upon completion of all the courses contact the California Commission on Teacher Credentialing Office for an application.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 111	Observation and Assessment in Child Development	3
CDEV 126	Child, Family, and the Community	3
CDEV 127	Guidance of Children	3
CDEV 185	Infant/Toddler Growth and Development	3
CDEV 186	Infant and Toddler Curriculum	3
CDEV 244	Children with Special Needs	3
CDEV 245	Early Intervention and Inclusion	3
Required Experience Working with Children:		
CDEV 215	Early Intervention and Inclusion Internship	4
CDEV 205	Child Development Practicum / Field Experience	4
Total Units		**32**

Code	Title	Units
Recommended Course:		
CDEV 109	Childhood Stress and Trauma	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify and use appropriate inclusion strategies and create adaptations with children with a variety of disabilities and special needs in early childhood settings.
b. Develop, create, and modify curriculum and individualized education plans to work with children with special needs and disabilities.
c. Recognize and apply laws and regulations related to working with children and families with disabilities and special needs.
d. Find and assess resources for children and families with special needs and disabilities and advocate for the needs of all children and families.
e. Describe, analyze and use respectful inclusive, equitable, antibias and antiracist teaching practices and family interactions in early childhood environments.

Child Development - Family Child Care Provider Certificate of Achievement

The Family Child Care Provider Certificate prepares students for working in family child care or home child care programs. This Certificate meets the unit and course requirements towards the California Title 5 requirements for the Child Development Associate Teacher Permit. Applications may be obtained through the California Commission on Teacher Credentialing Office or the Child Development Training Consortium (CDTC). Students must gain experience in 50 days, 3 hours per day in a licensed facility with children ages birth to 5 years.

Code	Title	Units
Required Courses:		
CDEV 075	Family Child Care Practices	3
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
CDEV 113	Principles and Practices of Teaching Young Children	3
CDEV 114	Introduction to Curriculum	3
CDEV 115	Health, Safety and Nutrition	3
CDEV 126	Child, Family, and the Community	3
One Course from the Following:		
CDEV 061	Activities for School-Age Children	3
CDEV 108	Early Childhood Development	3
CDEV 109	Childhood Stress and Trauma	3
CDEV 186	Infant and Toddler Curriculum	3
Total Units		**21**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Assess and apply licensing regulations, requirements, policies and procedures necessary to run a quality family child care business.
b. Develop a comprehensive business plan, record keeping system, and contract and policy statements necessary to a family child care business.
c. Create a developmentally appropriate, safe and healthy environment and curriculum with activities for children at a variety of ages and stages in a family child care home.
d. Develop methods to strengthen partnerships with families and obtain community resources for family and children in family child care homes.
e. Describe, analyze and use inclusive, equitable, antibias and antiracist teaching practices and family interactions in family childcare environments.

Child Development - Infant and Toddler Certificate of Achievement

The Infant and Toddler Certificate is designed to be the first step toward obtaining entry-level employment specializing in infant/toddler care. Students will be prepared to work with infants/toddlers (0-36 months) enabling the student to assist a teacher in a public infant/toddler program or teach infants/toddlers in a private child care setting. The Infant/Toddler Certificate requires 25 CD units, which includes four units of CD Practicum/ Field Work experience with infants/toddlers.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 111	Observation and Assessment in Child Development	3
CDEV 126	Child, Family, and the Community	3
CDEV 127	Guidance of Children	3
CDEV 185	Infant/Toddler Growth and Development	3
CDEV 186	Infant and Toddler Curriculum	3
CDEV 244	Children with Special Needs	3
Experience Working with Children from Ages Birth-24 Months: [1]		
CDEV 205	Child Development Practicum / Field Experience	4
Total Units		**25**

[1] *Students must complete CDEV 185 prior to completing CDEV 205 to qualify for the practicum hours with Infants and Toddlers.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify and assess patterns of typical and atypical development for infants and toddlers.
b. Observe and assess components of infant and toddler environments and compare with high quality components, health and safety & licensing regulations, foundations and guidelines.
c. Observe and assess development of infants and toddlers and plan and create individual curriculum to meet the unique needs of each child.
d. Develop strategies to form partnerships with parents and identify local resources for families of infants and toddlers.

e. Create a developmentally appropriate philosophy for working with infants and toddlers in groups based on best practices and current research.
f. Describe, analyze and use respectful inclusive, equitable, antibias and antiracist teaching practices and family interactions in early childhood environments.

Child Development - Master Teacher Certificate of Achievement

The Master Teacher Certificate is designed to prepare students to supervise, mentor and assist other teachers and aides in a preschool or child care and education setting. The Master Teacher Certificate requires 37 CD units which includes six specialization units and 4 units of CD Practicum/ Field Work experience with children preschool-12 years of age plus a minimum of 16 general education units. General Education units need to come from the each of the following categories and meet Valley College GE requirements: English, Social and Behavioral Sciences, Humanities and Math or Science.

This Certificate meets the course and unit requirement for the Master Teacher Permit through the California Commission on Teacher Credentialing. Please note that students must also meet the experience requirement of 350 days of 3+ hours per day within 4 years.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 111	Observation and Assessment in Child Development	3
CDEV 113	Principles and Practices of Teaching Young Children	3
CDEV 114	Introduction to Curriculum	3
CDEV 115	Health, Safety and Nutrition	3
CDEV 126	Child, Family, and the Community	3
CDEV 127	Guidance of Children	3
CDEV 138	Teaching in a Diverse Society	3
CDEV 270	Adult Supervision and Mentoring in Early Care and Education	3
Required Child Development Specialization Courses - 6 units from one specialization below:		**6**
Creative Curriculum Specialization:		
CDEV 130	Creative Music and Movement for Children	3
CDEV 133	Creative Science and Math Activities for Children	3
CDEV 134	Language, Listening and Literature for Children	3
CDEV 136	Creative Art Experiences for Children	3
CDEV 137	Play and Materials for Children	3
Trauma Informed Care and Guidance Specialization:		
CDEV 109	Childhood Stress and Trauma	3
CDEV 127	Guidance of Children	3
Infant/Toddler Specialization:		
CDEV 185	Infant/Toddler Growth and Development	3
CDEV 186	Infant and Toddler Curriculum	3
School-Age Specialization:		
CDEV 160	Middle Childhood Development	3
CDEV 061	Activities for School-Age Children	3
Special Needs Specialization:		
CDEV 109	Childhood Stress and Trauma	3
CDEV 244	Children with Special Needs	3
CDEV 245	Early Intervention and Inclusion	3
Experience Working with Children:		
CDEV 205	Child Development Practicum / Field Experience	4
General Education — The courses below are recommended by the Child Development to fulfill the GE requirements for this Certificate and to meet the GE requirements for the CDEV Permit. Students must complete a minimum of 16 units or one to two courses in each of the four general education areas in order to obtain a Master Teacher Permit through the California State Commission on Teacher Credentialing.		
Arts and Humanities: (1-2 courses)		
Complete one to two courses below or any course listed under Area 3 on the Cal-GETC General Education Pattern.		
ARTH 103	Art Appreciation	3
MUS 100	Music Appreciation	3
or MUS 100H	Music Appreciation - Honors	
Social Sciences (1-2 courses)		
Complete PSYC C1000 or PSYC C1000H or any course listed under Area 4 on the Cal-GETC General Education Pattern. Note: one course must be in a subject other than Child Development (CDEV). [1]		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000	Introduction to Psychology - Honors	
Math or Science (1 course)		
Complete one course below or any course listed under Area 2 or Area 5 on the Cal-GETC General Education Pattern.		
BIOL C1000	Introduction to Biology with Lab	4
GEOG 110	Physical Geography	3
PSYC 105	Statistics for the Behavioral Sciences	4
or ECON 208	Business and Economic Statistics	
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
English or Oral Communications (1 course)		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
COMM C1000	Introduction to Public Speaking	3
or COMM C100	Introduction to Public Speaking - Honors	
Total Units		**49**

[1] Students may choose one to two courses in this Social Sciences category as needed to reach 16 General Education units.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop an integrated personal philosophy into classroom practices that reflects an understanding of typical child development, health

safety and nutrition, developmentally, culturally and linguistically appropriate practices, ethical and professional practices and high quality standards.

b. Use the observation, planning and implementation cycle to create, implement and evaluate environments, individualized curriculum and activities that support developmentally, culturally and linguistically appropriate, inclusive, play and learning for children.
c. Develop strategies to respect the diversity of children and families and then empower families, and use resources that promote supportive relationships and partnerships between programs, teachers, families and their communities.
d. Analyze and apply effective positive guidance and interaction strategies that support young children's learning, self-confidence and identity.
e. Develop a specialization in Child Development using 6 units of a content area in a specific area.
f. Identify and analyze the stages of adult development and learning, and implement strategies to mentor adults who are learning to work with children.
g. Analyze, describe and use inclusive, equitable, antibias and antiracist teaching practices and family interactions for working with children and families.

Child Development - School-Age Certificate of Achievement

The School-Age Certificate is designed to be the first step toward entry level employment specializing in the care of children from 6-12 years. It prepares students for working in before and after-school programs or child care facilities that serve older children.

This Certificate meets the course and unit requirements for the Child Development Associate Teacher Permit with a School-Age Emphasis and the Child Development Associate Teacher Permit through the California Commission on Teacher Credentialing. Applications can be obtained through the California Commission on Teacher Credentialing Office. Students must complete fifty days, 3 hours per day to meet the 50 days of experience requirement for the CD School-Age Associate Teacher Permit.

Code	Title	Units
Required Courses:		
CDEV 160	Middle Childhood Development	3
CDEV 061	Activities for School-Age Children	3
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 113	Principles and Practices of Teaching Young Children	3
CDEV 114	Introduction to Curriculum	3
CDEV 126	Child, Family, and the Community	3
CDEV 127	Guidance of Children	3
CDEV 138	Teaching in a Diverse Society	3
Total Units		**24**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Observe and assess the development of school-age children to understand typical and atypical development and learning and to create appropriate environments and curriculum.
b. Create developmentally appropriate curriculum and written activity plans for school-age children using all developmental domains, multiple intelligences, and a variety of learning modalities.
c. Develop a school-age before and after school program philosophy based good practice, health and safety, state regulations, and the developmental needs of school age children.
d. Describe, analyze and use inclusive, equitable, antibias and antiracist teaching practices and family interactions in school-age environments.

Child Development - Site Supervisor Certificate of Achievement

The Site Supervisor Certificate is designed to prepare students with the knowledge and skills necessary to be qualified as a preschool or childcare center site supervisor.

Students completing a Site Supervisor Certificate meet the academic requirements for the CD Site Supervisor Permit. Please note that the field experience requirement for the Site Supervisor Permit requires 350 days of 3+ hours per day within four years including at least 100 days of supervising adults. With this Certificate, and a CD Site Supervisor Permit, students qualify to be Child Development Center Directors in private Title 22 Programs as long as they also have two years of teaching experience in a licensed center.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 111	Observation and Assessment in Child Development	3
CDEV 113	Principles and Practices of Teaching Young Children	3
CDEV 114	Introduction to Curriculum	3
CDEV 115	Health, Safety and Nutrition	3
CDEV 126	Child, Family, and the Community	3
CDEV 138	Teaching in a Diverse Society	3
CDEV 270	Adult Supervision and Mentoring in Early Care and Education	3
CDEV 271	Administration I: Programs in Early Childhood Education	3
CDEV 272	Administration II: Personnel and Leadership in Early Childhood Education	3
Two courses from the following:		**6**
CDEV 130	Creative Music and Movement for Children	3
CDEV 133	Creative Science and Math Activities for Children	3
CDEV 134	Language, Listening and Literature for Children	3
CDEV 136	Creative Art Experiences for Children	3
CDEV 137	Play and Materials for Children	3
One course from the following:		**3**
CDEV 160	Middle Childhood Development	3
CDEV 061	Activities for School-Age Children	3

CDEV 100	Introduction to Child Development	3
CDEV 109	Childhood Stress and Trauma	3
CDEV 127	Guidance of Children	3
CDEV 185	Infant/Toddler Growth and Development	3
CDEV 186	Infant and Toddler Curriculum	3
CDEV 244	Children with Special Needs	3
Experience Working with Children:		
CDEV 205	Child Development Practicum / Field Experience	4
or CDEV 215	Early Intervention and Inclusion Internship	
General Education — The courses below are recommended by the Child Development Department to fulfill the GE requirements for this Certificate and to meet the GE requirements for the CDEV Permit. Students must complete one to two courses in each of the five general education areas in order to obtain a Site Supervisor Permit through the California State Commission on Teacher Credentialing, and students must have at least 60 units to qualify for the Site Supervisor Permit.		
Area 1A: English Composition		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
Area 2: Mathematical Concepts and Quantitative Reasoning		
PSYC 105	Statistics for the Behavioral Sciences	4
or ECON 208	Business and Economic Statistics	
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
Area 3A: Humanities and Fine Arts (2 courses)		
Complete two courses below or any two courses listed under Area 3A on the CalGETC General Education Pattern.		
ASL 109	American Sign Language I	4
ARTH 103	Art Appreciation	3
MUS 100	Music Appreciation	3
or MUS 100H	Music Appreciation - Honors	
Area 4: Social & Behavioral Sciences (1 course)		
Complete PSYC C1000 or PSYC C1000H or any course listed under Area 4 on the CalGETC General Education Pattern. Note: one course must be in a subject other than Child Development (CDEV).		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
Area 5: Physical and Biological Sciences (1 course with a lab)		
Complete the course below or any course listed under Area 5 with a lab on the CalGETC General Education Pattern.		
BIOL C1000	Introduction to Biology with Lab	4
Total Units		**60-64**

Note: Students may be eligible for the Child Development AA Degree if they complete one additional course in each of the following areas: Area 1B, Area 1C, Area 3, and Area 6.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop an integrated personal philosophy into classroom practices that reflects an understanding of typical child development, health, safety and nutrition, developmentally, culturally and linguistically appropriate practices and high quality standards.
b. Use the observation, planning and implementation cycle to create, implement and evaluate environments, individualized curriculum and activities that support developmentally, culturally and linguistically appropriate, inclusive, play and learning for children.
c. Develop strategies to respect the diversity of children and families and then empower families, and use resources that promote supportive relationships and partnerships between programs, teachers, families and their communities.
d. Analyze and apply effective positive guidance and interaction strategies that support young children's learning, self-confidence and identity.
e. Identify and analyze the stages of adult development and learning, and implement strategies to mentor adults who are learning to work with children.
f. Examine, analyze and apply administration skills related to various types of early care and education programs.
g. Analyze, describe and use inclusive, equitable, antibias and antiracist teaching practices and family interactions for working with children and families.

Child Development - Teacher Certificate of Achievement

The Teacher Certificate is designed for individuals working with children in a preschool or child care setting. The certificate focuses on developing age-appropriate curriculum for the classroom and observation/assessment of children. The Teacher Certificate requires 31 CD units which includes 4 units of CD Practicum/ Field Work with young children plus 16 general education units as specified.

This Certificate meets the course and unit requirement for the Teacher Permit through the California Commission on Teacher Credentialing. Please note that students must also meet the experience requirements of 175 days of 3+ hours per day within 4 years.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 111	Observation and Assessment in Child Development	3
CDEV 113	Principles and Practices of Teaching Young Children	3
CDEV 114	Introduction to Curriculum	3
CDEV 115	Health, Safety and Nutrition	3
CDEV 126	Child, Family, and the Community	3
CDEV 138	Teaching in a Diverse Society	3
Two Curriculum Courses:		
CDEV 130	Creative Music and Movement for Children	3
CDEV 133	Creative Science and Math Activities for Children	3
CDEV 134	Language, Listening and Literature for Children	3
CDEV 136	Creative Art Experiences for Children	3
CDEV 137	Play and Materials for Children	3

Required CD Practicum/Field Work Experience with Children:		
CDEV 205	Child Development Practicum / Field Experience	4
General Education – The courses below are recommended by the Child Development to fulfill the GE requirements for this Certificate and to meet the GE requirements for the CDEV Permit. Students must complete a minimum of 16 units or one to two courses in each of the four general education areas in order to obtain a Teacher Permit through the California State Commission on Teacher Credentialing.		
Humanities and Fine Arts: (1-2 courses) [1]		
Complete one to two courses below or any course listed under Area 3 on the Cal-GETC General Education Pattern.		
ASL 109	American Sign Language I	4
ARTH 103	Art Appreciation	3
MUS 100	Music Appreciation	3
or MUS 100H	Music Appreciation - Honors	
Social Sciences: (1-2 courses)		
Complete PSYC C1000 or PSYC C1000H or any course listed under Area 4 on the Cal-GETC General Education Pattern. Note: one course must be in a subject other than Child Development (CDEV).		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
Math or Science: (1 course)		
Complete one course below or any course listed under Area 2 or Area 5 on the Cal-GETC General Education Pattern.		
BIOL C1000	Introduction to Biology with Lab	4
GEOG 110	Physical Geography	3
PSYC 105	Statistics for the Behavioral Sciences	4
or ECON 208	Business and Economic Statistics	
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
English or Language Arts: (1 course)		
Complete one course below:		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
COMM C1000	Introduction to Public Speaking	3
or COMM C100	Introduction to Public Speaking - Honors	
Total Units		**47**

[1] Students may choose one to two courses in this Humanities and Fine Arts category as needed to reach 16 General Education units.

Code	Title	Units
Recommended Courses		
CDEV 109	Childhood Stress and Trauma	3
CDEV 185	Infant/Toddler Growth and Development	3
CDEV 244	Children with Special Needs	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop an integrated personal philosophy into classroom practices that reflects an understanding of typical and atypical child development, healthy, safe and nutritious practices, developmentally, culturally and linguistically appropriate practices and ethical standards and professional behaviors when working with children and families.
b. Use observation, planning and implementation cycle to create, implement and evaluate environments, individualized curriculum and activities that support developmentally, culturally and linguistically appropriate, inclusive, play and learning for children.
c. Develop and communicate the strategies used to respect the diversity of children and families and then empower families, and use resources that promote supportive relationships and partnerships between programs, teachers, families and their communities.
d. Analyze and apply effective positive guidance and interaction strategies that support young children's learning, self-confidence and identity.
e. Create and write comprehensive developmentally appropriate curriculum plans in a variety of curriculum areas.
f. Analyze, describe and use inclusive, equitable, antibias and antiracist teaching practices and family interactions for working with children and families.

Child Development Associate of Arts Degree

The Child Development Associate of Arts Degree contains the eight core courses needed for transfer and the necessary course work to be a qualified early childhood educator. To graduate with a specialization in Child Development, students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum 60 semester units).

Students completing the degree will qualify for the unit and course requirements necessary to apply for the California State Child Development Teacher Permit and the Child Development - Teacher Certificate.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 111	Observation and Assessment in Child Development	3
CDEV 113	Principles and Practices of Teaching Young Children	3
CDEV 114	Introduction to Curriculum	3
CDEV 115	Health, Safety and Nutrition	3
CDEV 126	Child, Family, and the Community	3
CDEV 138	Teaching in a Diverse Society	3
Two curriculum courses from the following:		
CDEV 130	Creative Music and Movement for Children	3
CDEV 133	Creative Science and Math Activities for Children	3
CDEV 134	Language, Listening and Literature for Children	3
CDEV 136	Creative Art Experiences for Children	3
CDEV 137	Play and Materials for Children	3
One course from the following:		
CDEV 100	Introduction to Child Development	3
CDEV 108	Early Childhood Development	3

CDEV 109	Childhood Stress and Trauma	3
CDEV 127	Guidance of Children	3
CDEV 185	Infant/Toddler Growth and Development	3
CDEV 186	Infant and Toddler Curriculum	3
CDEV 244	Children with Special Needs	3
Required Course for Supervised Field Experience with Children		
CDEV 205	Child Development Practicum / Field Experience	4
Total Units		**34**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop a personal philosophy into classroom practices that integrates an understanding of: a) typical and atypical child development in all developmental domains, b) healthy, safe and nutritious practices in CD programs, c) developmentally, culturally and linguistically appropriate practices in CD programs d) ethical standards and professional behaviors when working with children and families and e) indictors of high quality early childhood programs.
b. Use observation, planning and implementation cycle to create, implement and evaluate environments, individualized curriculum and activities that support developmentally, culturally and linguistically appropriate, inclusive, play and learning for children.
c. Analyze and Apply strategies to respect the diversity of children and families and then empower families, and use resources that promote supportive relationships and partnerships between programs, teachers, families and their communities.
d. Apply effective positive guidance and interaction strategies that support young children's learning, self-confidence and identity.
e. Analyze, describe and use inclusive, equitable, antibias and antiracist teaching practices and family interactions for working with children and families.

Early Childhood Education Associate in Science for Transfer Degree

The Associate in Science in Early Childhood Education for Transfer degree is designed to provide the lower division major courses to transfer to a California State University and earn a Bachelor's degree in Child Development, Human Development or Early Childhood Education. This program focuses on the theories and developmentally appropriate inclusive practices for educating children from birth to age eight. Study in the major includes coverage of child development and socialization, observation and assessment, curriculum development, culturally and linguistically appropriate teaching, as well as excellent health, safety, and nutrition practices in early care and education. This degree prepares students for teaching in early care and education settings as well as transfer.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Early Childhood Education AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Early Childhood Education should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
CDEV C1000	Child Growth and Development	3
or CDEV C1000	Child Growth and Development - Honors	
CDEV 108	Early Childhood Development	3
or CDEV 185	Infant/Toddler Growth and Development	
CDEV 111	Observation and Assessment in Child Development	3
CDEV 113	Principles and Practices of Teaching Young Children	3
CDEV 114	Introduction to Curriculum	3
CDEV 115	Health, Safety and Nutrition	3
CDEV 126	Child, Family, and the Community	3
CDEV 138	Teaching in a Diverse Society	3
CDEV 205	Child Development Practicum / Field Experience	4

Code	Title	Units
Major Total Units		**28**
Total Double-Counted Units		**3**
General Education (Cal-GETC) Units		**34**
Elective Units		**1**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Integrate understanding of the needs, the characteristics and multiple influences on development of children birth to age eight as related to high quality care and education of young children.

b. Design, implement and evaluate environments and activities that support positive, developmental play and learning outcomes for all young children.
c. Analyze and apply effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
d. Develop strategies that promote partnerships between programs, teachers, families and their communities.
e. Analyze and apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to the Early Care and Education profession.
f. Analyze, describe and use inclusive, equitable, antibias and antiracist teaching practices and family interactions for working with children and families.

Communication Studies

Courses offered by the Department of Communication Studies are designed to foster pragmatic, professional and social communication skills. Emphasis is placed on the nurturing and development of techniques and aptitude essential for both effective public and interpersonal communication - a prerequisite for both occupational and personal success. Students planning to transfer to a four-year institution and major in Communication Studies should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

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- Communication Studies 2.0 Associate in Arts for Transfer Degree
- Journalism Associate in Arts for Transfer Degree
- Journalism Certificate of Achievement

COMM C1000 3 Units
Introduction to Public Speaking
Lecture: 54 contact hours
In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMM 110

COMM C1000H 3 Units
Introduction to Public Speaking - Honors
Lecture: 54 contact hours
In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience, and evaluation of various types of speeches, including informative and persuasive speeches. This is an honors course.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMM 110

COMM C1004 3 Units
Interpersonal Communication
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course covers theory, research, and application of ethical one-to-one communication practices in various and diverse interpersonal relationships including in personal, professional, and social situations. (Formerly COMM 111)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMM 130

COMM C1004H 3 Units
Interpersonal Communication - Honors
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course covers theory, research, and application of ethical one-to-one communication practices in various and diverse interpersonal relationships including in personal, professional, and social situations. This is an honors course. (Formerly COMM 111H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMM 130

COMM 125 3 Units
Critical Thinking Through Argumentation and Debate
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
Departmental Recommendation: COMM C1000 or COMM C1000H
This course is designed to provide an oral approach to critical thinking skills which includes individual and group debates. The course provides critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms. It also provides instruction in language, argument structure, types of reasoning, evaluation of evidence, fallacies in reasoning, and case development strategies. (Formerly COMMST 125)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMM 120

COMM 135 3 Units
Mass Media and Society
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course explores the history, effects, and role of the mass media in the U.S. The major forms of mass communication are studied (television, radio, film, newspapers and magazines). There is also a focus on critical analysis of media messages, effects of media on individual and society, and theories of communication. Students move beyond being consumers of media to analysts of media. (Formerly COMMST 135)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: JOUR 100

COMM 136 3 Units
Introduction to Public Relations
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Public Relations is a key component of modern business practices. Since the inception of social media, everyone needs to understand the basic principles, history, development, and professional practice of modern public relations. This includes concepts of planning and executing effective communication strategies, including message design and distribution, for multiple media platforms.
Associate Degree Applicable
Transfers to CSU only

COMM 140 3 Units
Small Group Communication
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course provides students with the foundational knowledge and practice of speechmaking in a democratic society, while simultaneously emphasizing theory and research about communication in a variety of small group contexts. Additionally, the instruction and assessment centers on the efficacy of communication processes such as problem solving, conflict management, decision making, roles in groups, group development and leadership. This course is intended for students pursuing a Communication Studies degree or any discipline requiring effective communication in group settings. Throughout the course, students are expected to speak their own words, not words written by others. This course includes faculty-supervision and faculty evaluated oral presentations in the presence of others. (Formerly COMMST 140)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMM 140

COMM 140H 3 Units
Small Group Communication - Honors
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course provides students with the foundational knowledge and practice of speechmaking in a democratic society, while simultaneously emphasizing theory and research about communication in a variety of small group contexts. Additionally, the instruction and assessment centers on the efficacy of communication processes such as problem solving, conflict management, decision making, roles in groups, group development and leadership. This course is intended for students pursuing a Communication Studies degree or any discipline requiring effective communication in group settings. Throughout the course, students are expected to speak their own words, not words written by others. This course includes faculty-supervision and faculty evaluated oral presentations in the presence of others. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMM 140

COMM 174 3 Units
Intercultural Communication
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course focuses on the communication behaviors and values common to all cultures and ethnic groups and on the differences that insulate and divide people. Students will examine influences on the communication process, including aspects such as stereotyping, perception, prejudice, values and expectations. Students will learn to overcome the communication problems that can result when members of other cultures communicate by evaluating their own intercultural communication patterns and learning skills to increase their effectiveness. Students will also acquire a greater appreciation for others. (Formerly COMMST 174)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMM 150

COMM 176 3 Units
Gender Differences in Communication
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course explores the gender differences evident in communication. Students will examine the theories concerning gender differences, issues of gender in a variety of contexts (families, relationships, the workplace, the media, school), and the differences in the communication patterns resulting from gender. (Formerly COMMST 176)
Associate Degree Applicable
Transfers to both UC/CSU

Communication Studies 2.0 Associate in Arts for Transfer Degree

The Associate in Arts for Transfer (AA-T) in Communication Studies 2.0 encourages students to examine and evaluate human communication across and within various contexts for the purpose of increasing communication competence. Communication studies courses foster practical communication skills. The emphasis is the development of the skills and techniques essential for effective public, interpersonal, and small group communication.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Communication Studies 2.0 AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Communication Studies should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
COMM C1000	Introduction to Public Speaking	3
or COMM C1000	Introduction to Public Speaking - Honors	
COMM C1004	Interpersonal Communication	3
or COMM C1004H	Interpersonal Communication - Honors	
List A - Three courses from the following:		**6**
COMM 125	Critical Thinking Through Argumentation and Debate	3
COMM 135	Mass Media and Society	3
COMM 140	Small Group Communication	3
or COMM 140H	Small Group Communication - Honors	
COMM 174	Intercultural Communication	3
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001H	Critical Thinking and Writing - Honors	
List B - One course from the following (or any course not used from List A):		**6-7**
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
COMM 176	Gender Differences in Communication	3
ENGL C1002	Introduction to Literature	3
or ENGL C1002H	Introduction to Literature - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000	Introduction to Psychology - Honors	
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
Major Total Units		**18-19**
Total Double-Counted Units		**12**
General Education (Cal-GETC) Units		**34**
Elective Units		**19-20**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate an understanding of the various forms of human communication evaluated by written or oral assessments.
b. Assess situations and identify the appropriate communication skills to utilize according to the context they are in, which will be evaluated by written or objective assessments.

Journalism Associate in Arts for Transfer Degree

Immerse yourself in the dynamic world of journalism with our comprehensive Associate of Arts for transfer degree in Journalism. Designed to equip students with the essential skills and knowledge needed to excel in today's rapidly evolving media landscape, this program offers a rigorous blend of theoretical study and practical experience. This program will guide you through courses covering multimedia storytelling, investigative reporting, ethics and public relations, digital media production, and more. You'll have the opportunity to hone your craft through hands-on projects, internships with KVCR Radio and Television, and engagement with cutting-edge technologies. Whether your passion lies in print, broadcast, online journalism, or emerging media platforms, our Journalism degree program will empower you to become a versatile, ethical, and impactful storyteller prepared to thrive in a variety of media environments. Join us and embark on a journey to shape the future of journalism.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Journalism AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Journalism should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
COMM 135	Mass Media and Society	3
FTVM 198	Media Practicum	3
ENGL 122	Journalism Production: Introduction	3
List A - One course from the following:		
FTVM 133	Broadcast News	3
COMM 136	Introduction to Public Relations	3
ENGL 123	Journalism Production: Intermediate	3
List B - Two courses from the following:		
ART 161	Digital Photography	3
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
or ECON 208	Business and Economic Statistics	
or PSYC 105	Statistics for the Behavioral Sciences	
ECON C2001	Principles of Microeconomics	3
POLS C1000	American Government and Politics	3
or POLS C1000H	American Government and Politics - Honors	
POLS 140	Introduction to Comparative Politics	3
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001H	Critical Thinking and Writing - Honors	
PHIL 103	Introduction to Logic: Argument and Evidence	3
COMM 125	Critical Thinking Through Argumentation and Debate	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
FTVM 120	Writing for Streaming and Broadcast	3
or FTVM 121	Writing for Cinema	
PHIL 102	Critical Thinking and Writing	3
FTVM 101	Introduction to Electronic Media	3

Code	Title	Units
Major Total Units		**18-20**
Total Double-Counted Units		**9**
General Education (Cal-GETC) Units		**34**
Elective Units		**16-17**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate proficiency in a range of media production techniques, including writing, editing, photography, videography, and audio production, enabling them to effectively communicate stories across various platforms.
b. Apply ethical principles and legal standards relevant to journalism, demonstrating an understanding of public relations, privacy considerations, and ethical decision-making in their reporting and storytelling.
c. Critically analyze media content across different formats and platforms, identifying biases, misinformation, and propaganda while evaluating the credibility and reliability of sources.
d. Conduct thorough research and investigative journalism, employing techniques such as data analysis, interviews, and fact-checking to uncover and report on issues of public interest with accuracy and integrity.
e. Adapt to evolving technologies and trends in journalism, demonstrating proficiency in digital tools, social media platforms, content management systems, and emerging storytelling formats to effectively engage audiences in an ever-changing media landscape.

Journalism Certificate of Achievement

Embark on a transformative journey into the realm of journalism with our specialized Certificate in Journalism, focusing on writing, video creation, and documentary production. This immersive program offers aspiring journalists a unique opportunity to develop a comprehensive skill set tailored to the demands of modern media. Through a carefully crafted curriculum, students will delve into the art of storytelling through the written word, mastering the fundamentals of journalistic writing techniques, narrative structure, and style. Additionally, students will explore the captivating realm of documentary filmmaking, gaining hands-on experience in research, interviewing, and production to create powerful and impactful documentaries. This certificate program provides a dynamic and supportive learning environment where creativity thrives and innovation flourishes. Whether you're aspiring to launch a career in journalism, enhance your existing skill set, or pursue a passion project, this certificate will equip you with the tools and knowledge needed to excel in today's diverse and dynamic media landscape. Join us and unleash your potential as a storyteller and media innovator.

Code	Title	Units
Required Courses:		
ENGL 122	Journalism Production: Introduction	3
ENGL 123	Journalism Production: Intermediate	3
FTVM 114	Editing I	3
FTVM 133	Broadcast News	3
FTVM 198	Media Practicum	3
COMM 136	Introduction to Public Relations	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate various storytelling techniques applicable to journalism, including writing, video production, and documentary filmmaking,

enabling them to effectively communicate stories across different media platforms.

b. Exhibit ethical principles and critical thinking skills essential to journalism, allowing them to navigate complex issues, evaluate sources, and uphold journalistic integrity in their reporting and content creation.
c. Develop practical skills in the use of multimedia tools and technologies relevant to contemporary journalism, including digital editing software, camera operation, audio recording equipment, and online publishing platforms, empowering them to create high-quality multimedia content.
d. Collaborate effectively with diverse teams and adapt to evolving media landscapes, fostering flexibility, innovation, and resilience in the face of technological advancements and industry changes.

Computer Information Technology

The Computer Information Technology (CIT) Department provides a program of study for students who are preparing for employment in Information Technology or are preparing to transfer to a 4-year institution in Information Technology/Information Systems. The CIT Department offers a complete introduction to computers and software, specific training in selected software packages, and advanced courses dealing with networks, specialized programming techniques, and management of Information Technology.

Contact Information:

Division: Academic Services, Business, Computer Technology, and Hospitality (B - 127)

Division Phone Number: (909) 384-8520

Division Dean: Stephanie Lewis (slewis@sbccd.edu), Ph.D., Ed.S.

Department Chair: Reginald Metu (rmetu@sbccd.edu), Ed.D.

Counselor Liaisons:

- Armando Garcia (argarcia@sbccd.edu), M.S.C.
- Patricia (Patty) Jones (pjones@sbccd.edu), M.A.

- Administrative Assistant Certificate of Achievement
- Amazon Web Services (AWS) Cloud Computing Certificate of Achievement
- Android Application Security Support Specialist Certificate of Achievement
- Artificial Intelligence (AI) Essential Skills Certificate of Completion
- Cisco Certified Network Associate Certificate of Career Preparation
- CIT - Management Information Systems Associate of Science Degree
- CIT - Management Information Systems Certificate of Achievement
- CIT - Office Technology Associate of Arts Degree
- Computer Network Support Specialist Certificate of Achievement
- Computer Support Specialist Certificate of Achievement
- Digital Forensics Certificate of Achievement
- Information Security and Cyber Defense Certificate of Achievement
- Information Systems and Technology Associate of Science Degree
- iOS Application Security Support Specialist Certificate of Achievement
- Medical Coding and Billing Certificate of Achievement
- Office Technology Fundamentals Certificate of Completion
- Web Application Security Support Specialist Certificate of Achievement

CIT 010 3 Units
Fundamentals of Documents Management
Lecture: 36 contact hours
Lab: 54 contact hours
This course introduces the fundamentals of keyboarding, emphasizing touch typing on a standard keyboard. Students will learn to format various personal and business documents, including letters, reports, emails, and tables. The course aims to improve both speed and accuracy through a series of text and numeric drills, helping students achieve a typing speed of 30 words per minute over five minutes. Additionally, it aims to enhance students' data entry skills for increased efficiency on the job.
Associate Degree Applicable

CIT 013 3 Units
Intermediate Keyboarding
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 010
This course provides instruction in touch control of the computer keyboard, and is designed to develop a keyboarding speed of 45 net words per minute for five minutes. In addition, students receive instructions in the preparation of business documents using word processing software.
Associate Degree Applicable

CIT 021 3 Units
Word Processing: Comprehensive Microsoft Word
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: CIT 010 or CIT 100
This course focuses on the production of professional quality documents using Microsoft Word. This course emphasizes the production of professional-quality documents using the comprehensive features of Microsoft Word. Topics covered include creating various office documents, newsletters, and announcements, setting up tabs and margins, formatting text in columns or tables, applying graphic elements, performing mail merges, sorting, numbering, using bullets and symbols, preparing multi-page documents, and utilizing headers and footers and creating forms. Additionally, the course will cover themes and styles, references, generating tables of contents, working with macros, and preparing students for the Microsoft Certified Application Specialist exam.
Associate Degree Applicable

CIT 031 3 Units
Business English
Lecture: 54 contact hours
This course is a review of basic grammar, punctuation, capitalization, vocabulary, and spelling. Emphasis is placed on grammar and vocabulary building for effective business communications.
Associate Degree Applicable

CIT 045 3 Units
Medical Insurance Billing and Coding
Lecture: 54 contact hours
Prerequisite: CIT 144
Departmental Recommendation: CIT 010
This course covers ICD/CPT coding, insurance terminology, computerized billing, claims management, and the Health Insurance Portability and Accountability Act (HIPAA).
Associate Degree Applicable

CIT 048 3 Units
Medical Office Procedures
Lecture: 54 contact hours
Prerequisite/Corequisite: CIT 144
Departmental Recommendation: CIT 010
The course covers law and ethics, data entry, appointment scheduling, and billing procedures using computer software to provide real life medical office scenarios.
Associate Degree Applicable

CIT 050 3 Units
Medical Records and Health Information
Lecture: 54 contact hours
Prerequisite: CIT 144
This course prepares students for entry level positions in medical records. Topics covered include the unique aspects of file management including transfer, release, storage, retrieval, and destruction of records and files. Information includes the latest computer technologies, electronic medical records and electronic health records to access, manage and share protected health information. An introduction to electronic billing, coding, medical ethics, confidentiality, and the laws that govern privacy are also a part of this course.
Associate Degree Applicable

CIT 051 3 Units
Introduction to Electronic Health Records
Lecture: 54 contact hours
Prerequisite/Corequisite: CIT 048 and CIT 144
This course introduces the health information technology (HIT) utilized in electronic health records (EHR) systems and fiscal management. Students will obtain hands-on experience through integrated practice management software to obtain a comprehensive picture of health information technology. There is an emphasis on quality assurance, legal, and ethical practices of documenting the clinical and administrative tasks that take place for a total patient encounter.
Associate Degree Applicable

CIT 088 3 Units
Introduction to Android Security
Lecture: 36 contact hours
Lab: 54 contact hours
This is an introductory course in Android security. The course covers why it is critical to build security into Android apps in all phases of the system design lifecycle. The course will also cover improved programming processes to promote safety, as well as how to provide countermeasures for the numerous threats to which Android application and its users are exposed using software and hardware tools available in the industry.
Associate Degree Applicable

CIT 089 3 Units
Introduction to iOS Application Security
Lecture: 36 contact hours
Lab: 54 contact hours
This course focuses on the iOS (Internetwork Operating System) platform and application security. This course is for beginners interested in understanding the iOS Security. How to analyze applications on this platform using a variety of cutting-edge tools and techniques will be covered.
Associate Degree Applicable

CIT 090 3 Units
Introduction to Web Security
Lecture: 36 contact hours
Lab: 54 contact hours
This introductory course in web security targets students and other computer professionals who have some networking and administrative skills in Windows-based networks. Students will become familiar with other operating systems, such as OS X, Unix, or Linux. This course will help participants who want to further a career in Information Technology by acquiring an elementary knowledge of security topics. The course further helps students as they prepare for the CompTIA Security+ Certification examination.
Associate Degree Applicable

CIT 091 3 Units
Introduction to Networks (CCNA - Cisco Networking Academy)
Lecture: 36 contact hours
Lab: 54 contact hours
This first course in a three-course CCNA series introduces architectures, models, protocols, and networking elements – functions needed to support the operations and priorities of Fortune 500 companies to small innovative retailers. Students will have the chance to build simple local area networks (LANs). Developing a working knowledge of IP addressing schemes, foundational network security, students will be able to perform basic configurations for routers and switches. After completing all three CCNA courses, students are ready to take the CCNA Certification.
Associate Degree Applicable

CIT 092 3 Units
Switching, Routing, and Wireless Essentials CCNA (Cisco Networking Academy)
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 091
This course is the second course in a three-course sequence preparing students to take the Cisco Certified Network Associate certification examination and prepares students to take the Cisco Certified Entry Networking Technician certification exam. This course teaches comprehensive networking concepts and skills from network applications to the protocols and services provided to those applications by the lowe layers of the network.
Associate Degree Applicable

CIT 093 3 Units
Enterprise Networking, Security, and Automation CCNA (Cisco Networking Academy)
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 092
This course provides students with classroom and laboratory experience in configuring, managing, and troubleshooting routers and switches in large and complex IPv4 and IPv6 networks. In depth experience configuring, managing, and troubleshooting complex protocols such as OSPF, EIGRP, STP, and VTP.
Associate Degree Applicable

CIT 098 0.5-4 Units
Computer Information Technology Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

CIT 099 3 Units
Cisco Certified Network Associate Security
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 091 and CIT 092
This course prepares students for entry-level security specialist careers by developing in-depth understanding of network security principles and the tools and device configurations necessary to create and maintain a secure network. The course includes hands-on activities with networking equipment.
Associate Degree Applicable

CIT 100 3 Units
Introduction to Personal Computers
Lecture: 54 contact hours
A survey course for the use of software tools such as word processing, spreadsheets, graphics, presentation and database using Microsoft Office.
Associate Degree Applicable
Transfers to CSU only

CIT 101 3 Units
Introduction to Computer Literacy
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: CIT 010 or CIT 031
This course is an introduction to fundamental Information Technology / Information Systems concepts and Information Security. The course includes practical exercises with spreadsheet, database, and Internet applications.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: BUS 140/ITIS120

CIT 102 3 Units
Advanced Computer Literacy
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 101
This course covers the complex fundamentals of hardware computer concepts and software applications. It provides the skills needed to create advanced word processing documents, spreadsheets, databases, and presentations.
Associate Degree Applicable
Transfers to CSU only

CIT 103 4 Units
Amazon Web Services (AWS) Academy: Cloud Foundations
Lecture: 45 contact hours
Lab: 81 contact hours
The Amazon Web Services (AWS) Academy Cloud Foundations course is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.
Associate Degree Applicable
Transfers to CSU only

CIT 104 4 Units
Amazon Web Services (AWS) Academy: Introduction to the Cloud
Lecture: 45 contact hours
Lab: 81 contact hours
The Amazon Web Services (AWS) Academy: Introduction to Cloud explores cloud computing. In this course, students explore cloud computing services, applications, and use cases. Students dive deeply into cloud computing best practices and learn how cloud computing helps users develop a global infrastructure to support use cases at scale while also developing and inventing innovative technologies. This course provides students with classroom instruction that introduces cloud computing skills and accelerates students toward the next steps in their educational journey. The seven core practices of computer science describe the behaviors and ways of thinking that computationally literate students use to fully engage in today's data-rich and interconnected world.
Associate Degree Applicable
Transfers to CSU only

CIT 110 4 Units
Information and Communications Technology Essentials
Lecture: 54 contact hours
Lab: 54 contact hours
This course provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level ICT professionals. The fundamentals of computer hardware and software as well as advanced concepts such as security, networking, and the responsibilities of an ICT professional will be introduced. Preparation for CompTIA's A+ certification exam.
Associate Degree Applicable
Transfers to CSU only
C-ID: ITIS 110

CIT 114 3 Units
Spreadsheets: Excel
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: CIT 100 or CIT 101
In this course, students will learn how to create workbooks using Microsoft Excel, which integrates spreadsheet analysis, information management, and graphics. Content includes the design and use of worksheets, data entry, formulas, functions, and graph creation. Students will also learn how to professionally format worksheets, use Excel functions in different applications, use Excel financial functions and data tables, and understand the concept of data management in Excel.
Associate Degree Applicable
Transfers to CSU only

CIT 116 3 Units
Database Management: Access
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: CIT 100 or CIT 101
This is a comprehensive course in the development and maintenance of a database. It provides a working knowledge of designing a database that includes: setting field properties, storing, retrieving, printing, and indexing records, creating informational and technical queries, developing customized forms and reports, establishing different types of relationships, and integrating Access with the Web. The course emphasis is on developing a practical ability to use a database in a Windows environment with full graphical user interface functionality.
Associate Degree Applicable
Transfers to CSU only

CIT 118 3 Units
Microsoft PowerPoint
Lecture: 36 contact hours
Lab: 54 contact hours
This is a comprehensive-level course in Microsoft PowerPoint. This course is designed for students to create effective and compelling presentations. Instructions include developing and customizing presentations by using charts, clip art, pictures, presentation templates, WordArt, and information and graphics from Word, Excel, and Access.
Associate Degree Applicable
Transfers to CSU only

CIT 127 3 Units
Introduction to Computer Forensics
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 101
This course will introduce basic tools, techniques, and procedures for collecting, capturing, and preserving digital evidence that can be admitted and used in computer forensics processes. Topics include securing and analyzing a computer system and network system, evaluating suspect data and files, and composing reports based on investigative findings.
Associate Degree Applicable
Transfers to CSU only

CIT 128 3 Units
Introduction to Linux OS
Lecture: 36 contact hours
Lab: 54 contact hours
This is an introductory course to the LINUX Operating System and basic Linux Operating System environment and commands. This course will cover file system navigation, Graphic User Interfaces (GUI) such as GNOME and KDE, file permissions, the Linux text editors, command shells, and basic network commands. This course is mapped to LINUX LPI Level 1 guidelines.
Associate Degree Applicable
Transfers to CSU only

CIT 140 3 Units
Introduction to Systems Analysis and Design
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 101
The course presents a systematic methodology for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ITIS 140

CIT 144 3 Units
Medical Terminology
Lecture: 54 contact hours
The course includes the origin, usage, spelling, pronunciation, and meaning of terminology used to describe the structures of the human body, as well as therapeutic and diagnostic procedures. It is a course for students who are interested in pursuing health occupations such as medical office occupations, nursing, radiological technology, and respiratory care.
Associate Degree Applicable
Transfers to CSU only

CIT 155 3 Units
Systems and Network Administration
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 110
This course will provide a student with the knowledge and skills required to build, maintain, troubleshoot and support server hardware and software technologies. The student will be able to identify environmental issues; understand and comply with disaster recovery and physical / software security procedures; become familiar with industry terminology and concepts; understand server roles / specializations and interaction within the overall computing environment.
Associate Degree Applicable
Transfers to CSU only
C-ID: ITIS 155

CIT 160 3 Units
Introduction to Information Systems Security
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 232
An introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management.
Associate Degree Applicable
Transfers to CSU only
C-ID: ITIS 160

CIT 215 3 Units
Database Management Systems
Lecture: 54 contact hours
Prerequisite: CIT 116
This course focuses on the concepts of relational databases including database management systems, database design fundamentals and Structured Query Language (SQL).
Associate Degree Applicable
Transfers to CSU only
C-ID: ITIS 180

CIT 222 1-3 Units
Independent Study in Computer Information Technology
DIR: 54 contact hours
Limitation on Enrollment: Enrollment is limited to those who meet independent study criteria. Prior to registration a contract must be prepared. See instructor for details.
Assigned projects involving research and analysis of selected topics or directed study for students who are interested in furthering their knowledge of information technology on an independent study basis. For each unit earned, students are required to devote three hours per week throughout the semester.
Associate Degree Applicable
Transfers to CSU only

CIT 232 3 Units
Computer Network Fundamentals
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CIT 101
This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP (Internet Protocol) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for further study of computer networks. It uses the OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. It provides preparation for the CompTIA Network+ certification exam.
Associate Degree Applicable
Transfers to CSU only
C-ID: ITIS 150

CIT 601 Noncredit
Introduction to Basic Computer Skills
Lecture: 8 contact hours
Lab: 18 contact hours
This course provides basic computer skills. Topics include basic knowledge of computer hardware, computer software, computer terminology, working with Windows, using the Internet, and creating basic business documents using Microsoft Word. This course is recommended for individuals who have little or no computer skills as well as those who wish to seek an entry-level position as an office clerk.

CIT 602 Noncredit
Microsoft Word Fundamentals
Lecture: 8 contact hours
Lab: 18 contact hours
This course provides a basic working knowledge of Microsoft Word for office workers. Topics include basic document, paragraph, and document formatting, working with clip art, lists, columns and tables. This course is recommended for individuals who wish to seek an entry-level position as an office clerk.

CIT 603 Noncredit
Microsoft Excel Fundamentals
Lecture: 8 contact hours
Lab: 18 contact hours
This course provides basic working knowledge of Microsoft Excel for office workers. Topics include creating and editing worksheets, formatting worksheets, printing worksheets, using simple tables and graphs, basic formulas and fundamental Excel functions. This course is recommended for individuals who wish to seek an entry-level position as an office clerk.

CIT 604 Noncredit
Microsoft PowerPoint Fundamentals
Lecture: 8 contact hours
Lab: 18 contact hours
This course provides basic working knowledge of Microsoft PowerPoint for office workers. Topics include creating presentations, managing PowerPoint slides, slide text and graphics, and displaying a presentation. This course is recommended for individuals who wish to seek an entry-level position as an office clerk.

CIT 605 Noncredit
Microsoft Outlook Fundamentals
Lecture: 8 contact hours
Lab: 18 contact hours
This course provides a basic working knowledge of Microsoft Outlook for office workers. Topics include Outlook contacts, Outlook email, and Outlook calendar. This course is recommended for individuals who wish to seek an entry-level position as an office clerk.

CIT 606 Noncredit
Computer Proficiency Lab
Lab: 18 contact hours
This noncredit course provides students who need extra help or extra lab time to develop proficiency with computer technology with an on campus resource.

CIT 610 Noncredit
AI Basics
Lecture: 8 contact hours
Lab: 18 contact hours
This course introduces the foundational concepts and applications of Artificial Intelligence (AI), covering topics such as the origins and evolution of AI, its impact on society, and various practical uses. By the end of the course, students will gain a fundamental understanding of AI and be able to apply selected AI tools in real-world contexts.

CIT 611 Noncredit
Introduction to AI Tools
Lecture: 8 contact hours
Lab: 18 contact hours
This course provides an introduction to foundational Artificial Intelligence (AI) tools and practical techniques for using them effectively. Students will explore various AI platforms, including Generative AI, Axio AI, Perplexity AI, Gemini AI, and ChatGPT, among others. By the end of the course, students will be able to evaluate and select the most suitable AI tool for a range of real-world scenarios.

CIT 612 Noncredit
Machine Learning (ML) Basics
Lecture: 8 contact hours
Lab: 18 contact hours
This course introduces the foundational concepts and applications of Machine Learning (ML), covering topics such as the origins and evolution of ML, its impact on society, and various practical uses. By the end of the course, students will gain a fundamental understanding of ML and be able to apply selected ML tools in real-world contexts.

CIT 613 Noncredit
Artificial Intelligence (AI) in Action
Lecture: 8 contact hours
Lab: 18 contact hours
This course offers a comprehensive introduction to the practical application of Artificial Intelligence (AI) tools and techniques in real-world business scenarios. Students will gain hands-on experience with a variety of cutting-edge AI platforms, developing the skills to leverage these technologies effectively across diverse business domains.

CIT 619 Noncredit
Computer Graphics
Lecture: 54 contact hours
This noncredit course is an introduction to graphic design using graphic software to create professional-looking documents.

CIT 620 Noncredit
Internet
Lecture: 18 contact hours
Lab: 54 contact hours
This noncredit course provides the basics of the Internet using current technology browser software. The course includes the effective use of web search portals, online collaboration software, and implications of security, privacy and ethical usage.

Administrative Assistant Certificate of Achievement

The Administrative Assistant Certificate is designed to prepare students for employment in today's modern office. Students will learn computer skills in Microsoft Office Applications and writing skills that are needed for successful business communication. Student will learn computer skills through hands-on practice and various business project simulations.

Code	Title	Units
Required Courses:		
CIT 013	Intermediate Keyboarding	3
CIT 021	Word Processing: Comprehensive Microsoft Word	3
CIT 031	Business English	3
CIT 100	Introduction to Personal Computers	3
or CIT 101	Introduction to Computer Literacy	
CIT 114	Spreadsheets: Excel	3
CIT 116	Database Management: Access	3
CIT 118	Microsoft PowerPoint	3
Total Units		**21**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Use advanced Word Processing features for business applications.
b. Type 60 words per minute.
c. Use PC-based database management system.

Amazon Web Services (AWS) Cloud Computing Certificate of Achievement

AWS Academy Cloud Foundations is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.

Code	Title	Units
Required Courses:		
CIT 103	Amazon Web Services (AWS) Academy: Cloud Foundations	4
CIT 104	Amazon Web Services (AWS) Academy: Introduction to the Cloud	4
CIT 091	Introduction to Networks (CCNA - Cisco Networking Academy)	3
CIT 092	Switching, Routing, and Wireless Essentials CCNA (Cisco Networking Academy)	3
CS 102	Introduction to Python Programming	3
or CS 102H	Introduction to Python Programming - Honors	
CIT 128	Introduction to Linux OS	3
CS 150	Web Programming with PHP	4
CS 215	Programming with Java	4
Total Units		**28**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop skills to design infrastructure as a service (Iaas) solutions by provisioning computing, establishing virtual private networks, managing databases and storage within a secure online platform.
b. Analyze performance metrics of a cloud environment to respond to information and computer technology workloads and economically optimize services.
c. Collaborate in a team designing business solutions working on various projects.
d. Employ best security practices within the AWS environment.

Android Application Security Support Specialist Certificate of Achievement

This certificate provides a comprehensive overview of Android Application Security. Students will understand Android devices and how to secure them. Upon completion of this certificate, students will be prepared for entry-level work in Information Technology.

Code	Title	Units
Required Courses:		
CIT 088	Introduction to Android Security	3
CIT 101	Introduction to Computer Literacy	3
CIT 110	Information and Communications Technology Essentials	3-4
or CIT 128	Introduction to Linux OS	
CIT 160	Introduction to Information Systems Security	3
CIT 232	Computer Network Fundamentals	3
or CIT 091	Introduction to Networks (CCNA - Cisco Networking Academy)	
CS 076	Android App Development	3
Total Units		**18-19**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Gain entry-level job skills using Android devices and securing such devices.

Applied Artificial Intelligence Associate of Science Degree

The Applied Artificial Intelligence Associate of Science Degree introduces students to the concepts, tools, and techniques that drive modern AI applications. The program provides a strong foundation in computer science while emphasizing hands-on experience with machine learning, natural language processing, data analysis, and automation. Students will learn how AI is applied in fields such as business, healthcare, education, and cybersecurity, and gain practical skills that prepare them for entry-level careers in technology. Graduates of this program will be ready to contribute to projects involving AI development, deployment, and support, with the ability to adapt to emerging technologies in a rapidly evolving industry.

Code	Title	Units
Required Courses:		
CIT 100	Introduction to Personal Computers	3
or CS 110	Fundamentals of Computer Science	
MATH 180	Introduction to Data Science	3-4
or CS 130	Discrete Structures	
CIT 104	Amazon Web Services (AWS) Academy: Introduction to the Cloud	4
CIT 232	Computer Network Fundamentals	3
CIT 215	Database Management Systems	3
CS 102	Introduction to Python Programming	3
or CS 102H	Introduction to Python Programming - Honors	
CS 104	Data Programming with Python	4
CS 160	Introduction to Data Science and Engineering	4
CS 188	Introduction to Artificial Intelligence (AI)	3
CS 189	Introduction to Machine Learning	3
Total Units		**33-34**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze real world problems and apply principles of artificial intelligence, data science, and computing to identify solutions.
b. Develop the technical literacy and critical thinking skills necessary to adapt to emerging AI technologies, assess their risks and benefits, and engage in lifelong learning.
c. Communicate effectively in technical and professional contexts, including writing project documentation, preparing data driven reports, and presenting AI solutions.
d. Collaborate with interested parties to design AI solutions that balance technical feasibility, organizational goals, and social impact.
e. Design, implement, and evaluate AI-based systems and applications that meet organizational and societal needs.
f. Create and evaluate AI strategies that prioritize inclusion, equitable access, and positive community impact, ensuring that intelligent systems serve all populations effectively.

Artificial Intelligence Certificate of Achievement

The Artificial Intelligence Certificate is designed to provide students with a comprehensive understanding of AI and its applications in various fields, such as natural language processing, computer vision, robotics, and data analysis. The certificate program is aimed at students who want to develop the knowledge and skills necessary to design and implement AI solutions and to evaluate the ethical and social implications of AI.

The AI Certificate program is composed of a set of courses that cover the fundamentals of AI, including machine learning, deep learning, and neural networks. The courses also provide hands-on experience with AI tools and technologies and give students the opportunity to develop AI solutions for real-world problems. The program also includes courses on the ethical and social implications of AI, which prepare students to evaluate the impact of AI on society and develop AI solutions that are both effective and ethical.

The Artificial Intelligence Certificate is ideal for students who are interested in pursuing careers in a rapidly growing field that is in high demand by employers. The certificate program provides students with the knowledge and skills necessary to succeed in various industries, such as healthcare, finance, and transportation. The program is also suitable for students who

want to pursue further education in AI, such as a bachelor's or master's degree in computer science or data science.

Code	Title	Units
Required Courses:		
CIT 103	Amazon Web Services (AWS) Academy: Cloud Foundations	4
CIT 100	Introduction to Personal Computers	3
or CS 110	Fundamentals of Computer Science	
CS 102	Introduction to Python Programming	3
or CS 102H	Introduction to Python Programming - Honors	
CS 188	Introduction to Artificial Intelligence (AI)	3
CS 189	Introduction to Machine Learning	3
CS 160	Introduction to Data Science and Engineering	4
or CS 104	Data Programming with Python	
or MATH 180	Introduction to Data Science	
Total Units		**20**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Evaluate and recommend modifications to AI solutions, to ensure they address potential biases and societal impacts effectively.
b. Demonstrate an understanding of the fundamentals of AI, including machine learning, deep learning, and neural networks.
c. Apply AI tools and technologies to develop solutions for real-world problems.
d. Use programming languages and software tools relevant to AI, such as Python and TensorFlow.
e. Use data analysis and statistical modeling techniques to solve AI problems.
f. Develop machine learning models for classification and regression problems.
g. Use cloud computing services and platforms, such as Amazon Web Services (AWS) and Microsoft Azure, to build and deploy AI applications.
h. Communicate effectively about AI concepts and techniques to technical and non-technical audiences.

Artificial Intelligence (AI) Essential Skills Certificate of Completion

This noncredit certificate provides an introduction to practical applications of Artificial Intelligence (AI) and Machine Learning (ML) tools in business contexts. The participant has demonstrated proficiency in understanding fundamental AI and ML concepts and their real-world applications, navigating and utilizing various AI and ML platforms, applying AI and ML solutions to real-world business scenarios.

Code	Title	Units
Required Courses:		
CIT 610	AI Basics	0
CIT 611	Introduction to AI Tools	0
CIT 612	Machine Learning (ML) Basics	0
CIT 613	Artificial Intelligence (AI) in Action	0
Total Hours		**88-104**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Implement and evaluate AI and ML systems through an equity-minded lens, ensuring that solutions are inclusive, culturally responsive, and minimize bias, while promoting accessibility and anti-racist practices.
b. Explain fundamental concepts of Artificial Intelligence (AI) and Machine Learning (ML) and their relevance in real world scenarios.
c. Create a project that applies AI or ML tools to solve a defined business problem, showcasing learned skills.
d. Adapt AI and ML solutions to real-world scenarios, demonstrating practical application skills.
e. Leverage various AI and ML tools and platforms to address specific real world challenges effectively.

Cisco Certified Network Associate Certificate of Career Preparation

This certificate is designed to prepare students to take the Cisco Certified Network Associate certification examination. This course of study prepares students for entry level employment in the computer networking field. The certificate is part of the Cisco Networking Academy program and all instruction is provided by Cisco Certified Academy Instructors using Cisco certified curriculum.

Code	Title	Units
Required Courses:		
CIT 091	Introduction to Networks (CCNA - Cisco Networking Academy)	3
CIT 092	Switching, Routing, and Wireless Essentials CCNA (Cisco Networking Academy)	3
CIT 093	Enterprise Networking, Security, and Automation CCNA (Cisco Networking Academy)	3
Total Units		**9**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Design a small office/home office (SOHO) network.
b. Attach networking components to a Local Area Network (LAN) & Wide Area Network (WAN) network using standard cables and connectors.
c. Construct routers to operate in a SOHO environment including proper password policies and basic security.
d. Construct SOHO LAN network equipment including support for virtual LANs (VLANs).
e. Construct SOHO equipment for connection to a WAN.

CIT - Management Information Systems Associate of Science Degree

The Management Information Systems Associates of Science degree prepares students to work with Computerized Information Systems that involve substantial use of databases and servers. Students with this degree are prepared for employment related to computer systems, networks, databases, or information security. To graduate with a specialization in CIT Management Information Systems, students must complete all requirements for this degree plus the general breadth requirements. (minimum total = 60 units)

Code	Title	Units
Required Courses:		
BUSAD 127	Business Communication	3
CIT 101	Introduction to Computer Literacy	3
CIT 102	Advanced Computer Literacy	3
CIT 114	Spreadsheets: Excel	3
CIT 116	Database Management: Access	3
CIT 160	Introduction to Information Systems Security	3
CIT 215	Database Management Systems	3
CIT 232	Computer Network Fundamentals	3
Total Units		**24**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Use the Internet to find business and information technology (IT) information necessary to solve a business need, discerning authoritative from non-authoritative information sources and the bias of the information source.
b. Understand basic Personal Computer (PC) system hardware and software architecture and their capabilities.
c. Analyze a business IT need, identify different components required to solve the problem, and create a solution that uses an appropriate combination of commercial software applications.
d. Transfer to a feeder 4-year university and complete a bachelor's degree in MIS.
e. Compete and gain entry level position in field of management information systems.

CIT - Management Information Systems Certificate of Achievement

The Management Information Systems Certificate offers a complete introduction to computers, specific training in selected software packages, advanced courses dealing with programming, Databases, and networks.

Code	Title	Units
Required Courses:		
CIT 031	Business English	3
CIT 101	Introduction to Computer Literacy	3
CIT 114	Spreadsheets: Excel	3
CIT 116	Database Management: Access	3
CIT 215	Database Management Systems	3
CIT 232	Computer Network Fundamentals	3
CS 120	Introduction to Visual Basic.NET	4
CIT 021	Word Processing: Comprehensive Microsoft Word	3
or CIT 102	Advanced Computer Literacy	
Total Units		**25**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Solve a business need, discerning between authoritative and non-authoritative information sources, and the bias of the information source.
b. Describe the Personal Computer (PC) system's hardware and software architecture.
c. Use the PC operating system and features of common Office applications, such as a spreadsheet and database management system.
d. Analyze a business Information Technology (IT) need, identify different components required to solve the problem, and create a solution that uses an appropriate combination of commercial software applications.
e. Recognize computer and network security threats and common approaches to preventing security compromises.
f. Use Structured Query Language (SQL) to retrieve the records required by a business report and the structure of a relational database.
g. Outline computer network solutions to a business problem.
h. Prepare written reports and documentation on a giving system.

CIT - Office Technology Associate of Arts Degree

To graduate with a degree in Office Technology, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units). This degree is designed to prepare students for entry-level positions such as general clerk, information clerk, receptionist, and administrative secretary.

Code	Title	Units
Required Courses:		
CIT 013	Intermediate Keyboarding	3
CIT 021	Word Processing: Comprehensive Microsoft Word	3
CIT 100	Introduction to Personal Computers	3
or CIT 101	Introduction to Computer Literacy	
CIT 102	Advanced Computer Literacy	3
CIT 114	Spreadsheets: Excel	3
CIT 116	Database Management: Access	3

CIT 118	Microsoft PowerPoint	3
Total Units		**21**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Operate the PC operating system and common office applications such as a spreadsheet and database management system.
b. Understand the hardware and software architecture of a contemporary Personal Computer system.
c. Type at 60 words per minutes.
d. Recognize computer and network security threats and common approaches to preventing security compromises.
e. Follow procedures and guidelines for efficient and effective business office operations.
f. Create a resume and employment application letter.
g. Prepare written reports and memos.

Computer Network Support Specialist Certificate of Achievement

This course of study prepares students for entry-level employment in the computer networking field. The courses also prepare students to take multiple industry recognized certifications from Cisco Systems, including the CCENT, CCNA, and CCNA Security. Students will also be prepared to take the A+ certification examination from CompTIA and the MTA examination from Microsoft. Most of the courses in this Certificate are part of the Cisco Networking Academy Program.

Code	Title	Units
Required Courses:		
CIT 101	Introduction to Computer Literacy	3
CIT 110	Information and Communications Technology Essentials	4
CIT 091	Introduction to Networks (CCNA - Cisco Networking Academy)	3
CIT 092	Switching, Routing, and Wireless Essentials CCNA (Cisco Networking Academy)	3
CIT 093	Enterprise Networking, Security, and Automation CCNA (Cisco Networking Academy)	3
CIT 099	Cisco Certified Network Associate Security	3
Total Units		**19**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Set up computer networks for various student networking competitions such as Cisco Net Riders and Western Regional Collegiate Cyber Defense Competition (WRCCDC).
b. Recognize and utilize concept of subnetting in any given network.
c. Formulate and recognize proper topology when designing a new Network.
d. Construct and secure Local Area Network (LAN) with a password.
e. Construct and secure Wide Area Network (WAN) with a password.
f. Design and produce industrial security policy documentation.

Computer Support Specialist Certificate of Achievement

The Computer Specialist Certificate is designed to provide students with skills in advanced computer technology pertaining to a wide variety of industry specific and government agency career paths.

Career Outlook: The rapid spread of computers and information technology has generated a need for highly trained workers proficient in various job functions. These jobs are categorized under the heading of Computer Specialist in the EDD Labor Market Information Occupational Projection Report. The Computer Specialist designation constitutes 97 percent of the Computer and Mathematical Occupations category. There are many career paths available mainly because employers' needs are so varied.

Code	Title	Units
Required Courses:		
CIT 091	Introduction to Networks (CCNA - Cisco Networking Academy)	3
CIT 092	Switching, Routing, and Wireless Essentials CCNA (Cisco Networking Academy)	3
CIT 101	Introduction to Computer Literacy	3
CIT 110	Information and Communications Technology Essentials	4
CIT 160	Introduction to Information Systems Security	3
CIT 155	Systems and Network Administration	3
or CIT 128	Introduction to Linux OS	
Total Units		**19**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Recognize computer hardware and software concepts and recognize appropriate hardware and software to address an identified; Develop competency with Internet searching technology.
b. Apply Computer Information Technology analysis concepts by writing an analytical comparison of the various solutions discussing relative merits in terms of effectiveness of solution, ease of implementation.
c. Explain security implications in each organization and prepare a security policy document.
d. Explain which ethical judgement option is the most ethical.

e. Develop a computerized solution to a problem that uses different applications within the suite.
f. Utilize automation capabilities of the suite to create an integrated query using Structured Query Language (SQL) to retrieve information.
g. Identify the various components of computer network technology and describe their basic function within the context of the network.

Digital Forensics Certificate of Achievement

This certificate consists of 18 units that will prepare students with the knowledge required for analyzing, investigating, and writing reports pertaining to basic digital forensics. This certificate will help to prepare students for entry-level work in the digital forensics field.

Code	Title	Units
Required Courses:		
CIT 091	Introduction to Networks (CCNA - Cisco Networking Academy)	3
CIT 101	Introduction to Computer Literacy	3
CIT 127	Introduction to Computer Forensics	3
CIT 128	Introduction to Linux OS	3
CIT 155	Systems and Network Administration	3
CIT 160	Introduction to Information Systems Security	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Utilize proper investigative procedures relative to the individual, corporate, and criminal rights, responsibilities, and law.
b. Utilize basic methods and techniques of forensic investigation.
c. Use forensic software to secure and analyze various digital media at a basic level.
d. Access, document and evaluate hidden data files.
e. Use basic investigative techniques for various operating systems.
f. Create and present legal reports and analysis of forensic investigation results.
g. Recognize proper workflow and control.

Information Security and Cyber Defense Certificate of Achievement

A comprehensive introduction to the principles of Information Assurance, Information Systems Security, and Cyber Defense. Program content and outcomes are aligned with industry certifications and the recommendations of the National Security Administration/US Department of Homeland Security. Includes practical experiences with the application of Information Assurance principles to Systems and Network Administration.

Code	Title	Units
Required Courses:		
CIT 101	Introduction to Computer Literacy	3
CIT 110	Information and Communications Technology Essentials	4
CIT 155	Systems and Network Administration	3
CIT 160	Introduction to Information Systems Security	3
CIT 232	Computer Network Fundamentals	3
Computer Programming - One course from the following:		
CS 120	Introduction to Visual Basic.NET	4
CIT 215	Database Management Systems	3
Statistics - One course from the following:		
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
Total Units		**23-24**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Attain Industry recognized certification(s) such as EC Council Certified Ethical Hacker, Cisco Certified Network Associate - Security, or CompTIA Security+.
b. Participate in a Student Cyber Security Competition such as Collegiate.
c. Cyber Defense Competition, or National Cyber League.
d. Complete a Cyber Security related internship experience.
e. Obtain employment part-time or full-time in a Cyber Security related field.

Information Systems and Technology Associate of Science Degree

To graduate with a specialization in Information Systems and Technology students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum 60 semester units). The A.S. Degree in Information Systems and Technology is designed to prepare students who wish to pursue a bachelor's degree from a four-year institution.

Code	Title	Units
Required Courses:		
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
BUSAD 210	Business Law	3
CIT 101	Introduction to Computer Literacy	3
CIT 116	Database Management: Access	3
CIT 140	Introduction to Systems Analysis and Design	3
CIT 160	Introduction to Information Systems Security	3
CIT 215	Database Management Systems	3
CIT 232	Computer Network Fundamentals	3
CS 120	Introduction to Visual Basic.NET	4
MATH 102	College Algebra	4
or MATH 151	Precalculus	
Total Units		**33**

Code	Title	Units
Recommended Courses:		
CS 215	Programming with Java	4
CS 077	Introduction to C-Sharp	4

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcome

At the completion of this program, students will be able to:

a. Demonstrate level of preparation appropriate for a program that is designed to serve as a transfer course to CSU San Bernardino (CSUSB) by being accepted as a transfer student at CSU San Bernardino with a major in Information Systems and Technology major at CSUSB.

iOS Application Security Support Specialist Certificate of Achievement

This is a comprehensive introduction to iOS Application Security. The certificate provides students with the knowledge required to understand Inter-network Operating System (iOS). Graduating students from this program will be prepared for entry level work in Information Technology.

Code	Title	Units
Required Courses:		
CIT 101	Introduction to Computer Literacy	3
CIT 110	Information and Communications Technology Essentials	3-4
or CIT 128	Introduction to Linux OS	
CIT 160	Introduction to Information Systems Security	3
CIT 232	Computer Network Fundamentals	3
or CIT 091	Introduction to Networks (CCNA - Cisco Networking Academy)	
CIT 089	Introduction to iOS Application Security	3
CS 074	iOS App Development	3
Total Units		**18-19**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcome

At the completion of this program, students will be able to:

a. Explain Internetwork Operating System (iOS) and how to protect them from hacks.
b. Recognize and apply proper security measures to protect iOS devices.
c. Utilize proper techniques in setting up iOS devices.
d. Troubleshoot any iOS device and document findings.
e. Recognize, and update any iOS device and apply software patches as needed.

Medical Coding and Billing Certificate of Achievement

This course of study prepares students for entry-level employment in the medical coding and billing field. The courses are geared towards the students' successful passing of the American Academy of Professional Coders National Certification Exam--Certified Professional Coder (CPC). During the course of study, students learn the basics of health care finance, office computer skills, anatomy and physiology, medical terminology, computerized health record, and other recommended elective courses needed to succeed in the field.

Code	Title	Units
Required Courses:		
BIOL 155	Introductory Anatomy and Physiology	4
CIT 010	Fundamentals of Documents Management	3
CIT 045	Medical Insurance Billing and Coding	3
CIT 048	Medical Office Procedures	3
CIT 051	Introduction to Electronic Health Records	3
CIT 100	Introduction to Personal Computers	3
CIT 144	Medical Terminology	3
Total Units		**22**

Code	Title	Units
Recommended Course:		
CIT 031	Business English	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate mastery of course work by ensuring the codes are applied correctly during the medical billing process, which includes abstracting the information from documentation, assigning the appropriate codes, and creating a claim to be paid by insurance carriers.
b. Obtain employment as a Medical Coder/Biller or in an occupation where the application of knowledge and skills learned within this program are integral to routine duties of the occupation.
c. Demonstrate competency with Coding Software Program by applying Coding and Billing Guidelines.

Office Technology Fundamentals Certificate of Completion

This noncredit certificate prepares individuals with limited computer experience to meet the IT challenges faced in the contemporary business office. Individuals who complete this certificate will have the technical skills to work as an entry-level clerk in a business office or begin a credit certificate program at a community college.

Code	Title	Units
Required Courses:		
CIT 601	Introduction to Basic Computer Skills	0
CIT 602	Microsoft Word Fundamentals	0
CIT 605	Microsoft Outlook Fundamentals	0
CIT 606	Computer Proficiency Lab	0
CIT 603	Microsoft Excel Fundamentals	0
or CIT 604	Microsoft PowerPoint Fundamentals	
Total Hours		**108**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate mastery of course work by presenting a digital portfolio with representative work output from each of the courses in the program.
b. Successfully complete one term as a credit student at an institution of higher education.
c. Obtain employment as an office worker or in an occupation where the application of knowledge and skills learned within this program are integral to routine duties of the occupation.

Web Application Security Support Specialist Certificate of Achievement

This certificate will provide students with the knowledge required to understand web security, how to protect web resources and password administration management online. Upon completion of this certificate, students will be prepared for entry level work in Information Technology.

Code	Title	Units
Required Courses:		
CIT 101	Introduction to Computer Literacy	3
CIT 110	Information and Communications Technology Essentials	3-4
or CIT 128	Introduction to Linux OS	
CIT 160	Introduction to Information Systems Security	3
CIT 232	Computer Network Fundamentals	3
or CIT 091	Introduction to Networks (CCNA - Cisco Networking Academy)	
CIT 090	Introduction to Web Security	3
CS 075	Introduction to Web Development	3
CS 077	Introduction to C-Sharp	4
or CS 120	Introduction to Visual Basic.NET	
Total Units		**22-23**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate fundamental cyber security skills.
b. Use and apply various software in web security, protection of web resources, and password administration management online.
c. Integrate accessibility principles, inclusive design, and equitable security practices, ensuring that web security solutions are inclusive for various environments and adaptive and supportive of diverse technological environments, especially in under-resourced settings.

Computer Science

Courses offered by the Computer Science Department are interactive, featuring hands-on experience with contemporary computer hardware and software. The courses cover a range of computing topics with an emphasis on software development and fundamental computer science concepts. The Computer Science curriculum may culminate in either an Associate of Science degree or a certificate. The degree program prepares students to transfer to a four-year institution with a major in computer science or a related discipline. Students planning to transfer to a four-year institution and major in computer science should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Academic Services, Business, Computer Technology, and Hospitality (B - 127)

Division Phone Number: (909) 384-8520

Division Dean: Stephanie Lewis (slewis@sbccd.edu), Ph.D., Ed.S.

Department Chair: Reginald Metu (rmetu@sbccd.edu), Ed.D.

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- Patricia (Patty) Jones (pjones@sbccd.edu), M.A.

- Applied Artificial Intelligence Associate of Science Degree
- Artificial Intelligence Certificate of Achievement
- Computer Science Associate in Science for Transfer Degree
- Computer Science Associate of Science Degree
- Computer Science Certificate of Achievement
- Data Science Certificate of Achievement

CS 074 3 Units
iOS App Development
Lecture: 18 contact hours
Lab: 108 contact hours
This course will cover the fundamentals of iPhone application development using the Objective-C, Swift, and the iPhone SDK (Software Development Kit). The theory and use of using and managing Xcode, 3D Game Development, Storyboard Builder, Audio /Animation /Data /Location, User Interface (UI) development, game and app design will be covered. Students will gain valuable experience using front end and back end development tools to complete production ready iPhone applications.
Associate Degree Applicable

CS 075 3 Units
Introduction to Web Development
Lecture: 18 contact hours
Lab: 108 contact hours
This course focuses on web development and addresses the essentials for skilled web developers who can create digital media, web, and mobile applications for modern desktop and portable devices. Students in this program are offered an in-depth, project-driven curriculum that provides a comprehensive study of HTML, CSS, JavaScript, Web Animation, Multimedia Creation. Students will learn to develop visually aesthetic, user friendly, and interactive web-based applications. Students will also gain valuable experience using front end and backend development tools like Adobe Dreamweaver, Adobe Animate, and Visual Studio. Students will also be exposed to the programming languages that cross over from web development to mobile device development. The synergy between the many web and mobile technologies will help each student build a foundation suitable for professional content.
Associate Degree Applicable

CS 076 3 Units
Android App Development
Lecture: 18 contact hours
Lab: 108 contact hours
This course will cover Android Developer Fundamentals and basic Android programming concepts and build a variety of apps, starting with Hello World and working their way up to apps for business solutions and game development. Creating assets for applications and utilities is also covered.
Associate Degree Applicable

CS 077 4 Units
Introduction to C-Sharp
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This course is an introduction to C# (C Sharp) app development. C# is a sophisticated and type-safe object-oriented language that empowers developers to build a variety of secure and robust applications that run on the .NET Framework. Topics will include fundamental object-oriented programming concepts like loops, arrays, logic, debugging, database, using the C# languages in a game development environment, files, and game development.
Associate Degree Applicable

CS 098 0.5-4 Units
Computer Science Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

CS 100 4 Units
Advanced C-Sharp Programming
Lecture: 54 contact hours
Lab: 54 contact hours
This course is the advanced C-Sharp course designed to further the learner's C-Sharp and programming knowledge beyond the Introductory level. Advanced programming using C-Sharp .NET is designed to emphasize software development, whether it is part of game development, web technologies, cloud computing technologies, Internet of Things (IoT), educational solutions, and innovative, original ideas conceived in the process of learning. Topics include object-oriented design, class(object) development, interfaces, design patterns, database access, and utilities.
Associate Degree Applicable
Transfers to both UC/CSU

CS 102 3 Units
Introduction to Python Programming
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: MATH 102 or MATH 115 or STAT C1000 or STAT C1000H
This course will cover the most common Python libraries as well as teach you programming best practices. We will explore different aspects of Python, including web, utility applications, machine learning, computer vision, IoT (Internet of Things), and data modeling applications. By the completion of the course, learners will complete a project using Python related to their major or area of interest.
Associate Degree Applicable
Transfers to both UC/CSU

CS 102H 3 Units
Introduction to Python Programming - Honors
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: MATH 102 or MATH 115 or STAT C1000 or STAT C1000H
This course will cover the most common Python libraries as well as teach you programming best practices. We will explore different aspects of Python, including web, utility applications, machine learning, computer vision, IoT (Internet of Things), and data modeling applications. By the completion of the course, learners will complete a project using Python related to their major or area of interest. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU

CS 104 4 Units
Data Programming with Python
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: CS 102
This course takes students further in Python knowledge and also explores the Python packages and libraries for different applications such as machine learning, data science, and artificial intelligence. It also utilizes the popular packages such as Numpy, Pandas, MatPlotLib, SKLearn, and Pytorch. It takes the students through the usage of popular coding notebook with the IPython kernel such as Jupyter, and the popular cloud GPU services. By the completion of this course, students will have experience using notebook for coding using the aforementioned packages and services to further into area of interest related to programming, especially in the area of data science, machine learning, and artificial intelligence.
Associate Degree Applicable
Transfers to both UC/CSU

CS 110 3 Units
Fundamentals of Computer Science
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course is an overview of the computer science discipline investigating the design and use of the computer devices, the art and science of problem solving and programming, the representation of data, human-computer interactions and ethical considerations, and information security principles. Also included is hands-on experience with command line and GUI operating systems; application of HTML, CSS, and scripts to web pages; and computer programming with an object-oriented language such as C++, Java, or C#.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMP 122

CS 120 4 Units
Introduction to Visual Basic.NET
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This is an introduction to the Visual Basic.NET programming language. Topics include problem solving, graphical user interface, program design, software tools, structured logic, object-oriented programming, graphics and animation, procedures, arrays, files, and programming projects.
Associate Degree Applicable
Transfers to both UC/CSU

CS 130 3 Units
Discrete Structures
Lecture: 54 contact hours
Prerequisite: CS 110 and MATH 102
This course surveys discrete structures used in computer science with an emphasis on applications. Topics covered include: functions, relations, and sets; basic logic; proof techniques; basics of counting; graphs and trees; and discrete probability.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMP 152

CS 150 4 Units
Web Programming with PHP
Lecture: 54 contact hours
Lab: 54 contact hours
This course uses PHP (PHP. Hypertext Preprocessor) for programming introduction; as well as web server-side programming for web apps of dynamic websites and web services. It also introduces database-driven web infrastructure, using PHP to access database server and content management system for a full-fledged web app. Topics include PHP fundamentals, function, array, string, object-oriented paradigm, data store (database management system) introduction, content management system (CMS) introduction, PHP with data store, PHP with CMS, LAMP/WAMP stack introduction. Although not required, but some coding knowledge and experience in high-level programming language (such as C ++) is strongly advised.
Associate Degree Applicable
Transfers to CSU only

CS 160 4 Units
Introduction to Data Science and Engineering
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: CIT 103
This course introduces the essential elements of data science using Python. Although some Python programming knowledge is helpful, it is not a requirement for this general introduction. This course covers data collection, importing, cleansing, wrangling, management, modeling, testing, validating, visualization and presentation. Basic statistical and machine learning techniques are introduced for prediction as well as solving engineering problems. Python programming language and Jupyter notebooks are used for practices.
Associate Degree Applicable
Transfers to both UC/CSU

CS 170 4 Units
Assembly Language
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: CS 110
This course focuses on the organization and behavior of computer systems at the assembly-language level. The mapping of high-level language statements and constructs to machine-level instructions and internal representation of common data types and simple structures is studied including the methods of numerical computation with assembly language constructs emphasizing common pitfalls associated with data representation and procedural errors encountered during the creation of machine language routines. This course includes hands on experience creating assembly language programs.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMP 142

CS 188 3 Units
Introduction to Artificial Intelligence (AI)
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CS 110 or CIT 100
This course introduces students to the fundamental concepts and applications of AI, including the various stages of AI project cycles. Moreover, the course will focus on the challenges and issues surrounding AI, such as ethics, bias, culture, regulations, and professional expectations. Students will have a solid understanding of the basics of AI and will be able to apply it to real-world scenarios.
Associate Degree Applicable
Transfers to CSU only

CS 189 3 Units
Introduction to Machine Learning
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: CS 110 or CIT 100
This course will introduce you to the fundamental concepts and applications of Machine Learning, including data acquisition. Moreover, the course will focus on supervised and unsupervised learning and data modeling. By the end of this course, you will have a solid understanding of the basics of Machine Learning and will be able to apply it to real-world scenarios.
Associate Degree Applicable
Transfers to CSU only

CS 190 4 Units
Programming in C++
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: CS 110 and Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course is an examination of intermediate object-oriented programming concepts and their application using the C++ language. Topics include programming control mechanisms; algorithm development; analysis of iterative and recursive solution complexity for various algorithms; templates and data structures; exception handling; object-oriented design and modeling; object-oriented programming in software engineering; pointers architecture.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMP 122

CS 215 4 Units
Programming with Java
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: CS 110
An introduction to Java. Topics include object-oriented design, multiple platform environment, program logic structures, graphical user interface, Java Applet, and recursion.
Associate Degree Applicable
Transfers to both UC/CSU

CS 220 4 Units
Advanced Visual Basic.Net Programming
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: CS 120
This course covers advanced programming using Visual Basic .NET with an emphasis on software development and maintenance. Topics include object-oriented design, multiple class modules, interface and linking, windows and Internet controls, and database access.
Associate Degree Applicable
Transfers to both UC/CSU

CS 222 1-3 Units
Special Problems in Computer Science I
DIR: 54 contact hours
Prerequisite: CS 110
Assigned problems involving computer laboratory work for selected students who are interested in furthering their knowledge of computer science on an independent study basis. Students are required to devote three contact hours per week to their project throughout the semester. Prior to registration, a contract must be prepared. See Instructor for details.
Associate Degree Applicable
Transfers to CSU only

CS 265 3 Units
Data Structures and Algorithms with C++
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite/Corequisite: CS 130 and MATH C2210
Prerequisite: CS 190
This course is an introduction to algorithmic analysis and data structures. Topics include formal computing algorithms, algorithmic strategies, and basic algorithm analysis; canonical data structures; intermediate recursion; human-computer interaction; professionalism and ethical behavior; software information assurance, software engineering, and software reuse.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMP 132

CS 265H 3 Units
Data Structures and Algorithms With C++ - Honors
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite/Corequisite: CS 130 and MATH C2210
Prerequisite: CS 190
This course is an introduction to algorithmic analysis and data structures. Topics include formal computing algorithms, algorithmic strategies, and basic algorithm analysis; canonical data structures; intermediate recursion; human-computer interaction; professionalism and ethical behavior; software information assurance, software engineering, and software reuse. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: COMP 132

Computer Science Associate of Science Degree

This degree is designed to provide students with the fundamentals of software engineering, information processing concepts, and programming to prepare them for entry-level positions as programmers for scientific and business applications.

Code	Title	Units
Required Courses:		
CIT 100	Introduction to Personal Computers	3
CS 077	Introduction to C-Sharp	4
CS 100	Advanced C-Sharp Programming	4
CS 102	Introduction to Python Programming	3
or CS 102H	Introduction to Python Programming - Honors	
CS 104	Data Programming with Python	4
CS 110	Fundamentals of Computer Science	3
CS 120	Introduction to Visual Basic.NET	4
CS 220	Advanced Visual Basic.Net Programming	4
CS 190	Programming in C++	4
or CS 215	Programming with Java	
Total Units		**33**

Code	Title	Units
Recommended Course:		
CS 160	Introduction to Data Science and Engineering	4

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
b. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements.
c. Communicate effectively in a variety of professional contexts.
d. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical coding principles.
e. Function effectively as a member or leader of a team engaged in activities.
f. Apply computer science theory and software development fundamentals to produce computing-based solutions.
g. Collaborate with other team members to analyze and develop program logic specific to any assigned project.
h. Develop computer literacy skills to conduct basic research, assess new ideas and information and be prepared for lifelong learning.
i. Create and evaluate technology solutions that prioritize team inclusion, diverse ideas, equitable access, and leadership in decision-making to ensure technology serves all communities, particularly those with limited resource access.

Computer Science Associate in Science for Transfer Degree

The field of Computer Science is the study of technology and computation which include methods by which data is accessed and manipulated. This includes representational computation, computer learning paradigms, code constructs, algorithmic modeling, and software development and testing. The Associate in Science for Transfer (AS-T) degree in Computer Science prepares students for transfer to four-year colleges and universities. Students opting for a degree in Computer Science will be prepared to take classes in systems analysis, mathematics, data structures, C++, C#, Python, along with a variety of developing code structures in the cloud or local technologies. After acquiring the skills in this field, students will be prepared to manage and adjust to new and emerging technologies worldwide.

The Associate in Science for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Computer Science AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Computer Science should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
CS 110	Fundamentals of Computer Science	3
CS 130	Discrete Structures	3
CS 170	Assembly Language	4
CS 265	Data Structures and Algorithms with C++	3
or CS 265H	Data Structures and Algorithms With C++ - Honors	
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
PHYSIC 202	Physics I	4
One course from the following:		
PHYSIC 203	Physics II	4
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
CHEM 150	General Chemistry I	5

Code	Title	Units
Major Total Units		**29-30**
Total Double-Counted Units		**10**
General Education (Cal-GETC) Units		**34**

Elective Units	**6-7**
Total Units	**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Function effectively as a member of a team to accomplish common goals.
b. Read, write, and interpret Microsoft technical information.
c. Analyze a problem and create an algorithmic solution.
d. Apply knowledge of Windows development.
e. Design, implement, and evaluate secure computer-based system based on specifications.
f. Think critically and apply the scientific method.
g. Analyze the impact of computing on individuals, organizations, and society.
h. Respect privacy and identify responsible conduct.
i. Engage in research, assess new ideas and information and be prepared for lifelong learning.
j. Exhibit professional, legal, and ethical behavior.

Computer Science Certificate of Achievement

This certificate is designed to provide students with the fundamentals of software engineering, information processing concepts, and programming to prepare them for entry-level positions as programmers for scientific and business applications.

Code	Title	Units
Required Courses:		
CIT 100	Introduction to Personal Computers	3
CS 077	Introduction to C-Sharp	4
CS 100	Advanced C-Sharp Programming	4
CS 102	Introduction to Python Programming	3
or CS 102H	Introduction to Python Programming - Honors	
CS 104	Data Programming with Python	4
CS 110	Fundamentals of Computer Science	3
CS 120	Introduction to Visual Basic.NET	4
CS 220	Advanced Visual Basic.Net Programming	4
CS 190	Programming in C++	4
or CS 215	Programming with Java	
Total Units		**33**

Code	Title	Units
Recommended Course:		
CS 160	Introduction to Data Science and Engineering	4

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze a problem and create a logical solution to the problem.
b. Apply knowledge of Windows development.
c. Design, implement, and evaluate secure computer-based system based on specifications.
d. Analyze the impact of computing on individuals, organizations, and society.
e. Incorporate diverse perspectives and inclusive design principles in computer science projects, fostering technological innovation that addresses institutional barriers and promotes equitable resource distribution.

Data Science Certificate of Achievement

The Data Science Certificate of Achievement equips students with the foundational knowledge, skills, and practical experience to tackle complex, data-driven challenges in today's digital age. With a focus on programming, statistics, machine learning, big data analytics, and data visualization, students engage in projects and collaborations that prepare them for the data-driven workforce. The program fosters critical thinking, problem-solving, and interdisciplinary collaboration, emphasizing both technical skills and domain-specific knowledge. Ideal for students with a mindset of lifelong learning and ethical responsibility, the program offers a pathway to meaningful careers and further education in the evolving field of data science.

Code	Title	Units
Required Courses:		
CIT 103	Amazon Web Services (AWS) Academy: Cloud Foundations	4
CS 102	Introduction to Python Programming	3
or CS 102H	Introduction to Python Programming - Honors	
CS 160	Introduction to Data Science and Engineering	4
or MATH 180	Introduction to Data Science	
CS 104	Data Programming with Python	4
CS 189	Introduction to Machine Learning	3
One course from the following:		
CIT 116	Database Management: Access	3
CIT 215	Database Management Systems	3
CS 188	Introduction to Artificial Intelligence (AI)	3
CS 190	Programming in C++	4
CS 130	Discrete Structures	3
CS 265	Data Structures and Algorithms with C++	3
or CS 265H	Data Structures and Algorithms With C++ - Honors	
Total Units		**21-22**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply statistical techniques to analyze data sets, interpret results, to draw appropriate conclusions to support decision-making processes.
b. Use programming skills in languages commonly used in data science, such as Python or R, to manipulate data, perform analysis, and create visualizations.
c. Demonstrate proficiency in collecting, cleaning, and managing various types of data from diverse sources, including structured and unstructured data.
d. Explain fundamental concepts of machine learning algorithms and apply them to solve predictive modeling and pattern recognition problems.
e. Create visualization of data effectively using tools and libraries such as Matplotlib, Seaborn, or ggplot2 and communicate insights and findings clearly.
f. Administer data using database management systems, including querying databases using SQL, designing databases using design principles, and data warehousing concepts.
g. Discuss the ethical considerations and legal regulations surrounding data usage, privacy, and security, and apply ethical principles in their data-related work.
h. Develop critical thinking and problem-solving skills to identify data-related issues, formulate research questions, and propose appropriate solutions.
i. Collaborate effectively with team members, communicate findings and insights to both technical and non-technical stakeholders, and contribute within interdisciplinary teams.
j. Plan, implement, and administer data science projects effectively, including defining project scope, setting goals, allocating resources, and meeting deadlines.
k. Employ data analysis techniques emphasizing open-source inclusivity, diverse methodologies, and ethical practices, focusing on addressing institutional inequities and ensuring data-driven decisions are accessible and fair across all communities.

Culinary Arts and Hospitality Management

The Culinary Arts curriculum prepares students for careers in culinary arts, food services, and other hospitality career fields. Upon completion of the program, students are eligible for membership to the American Culinary Federation. Students planning to transfer to a four-year institution and major in Culinary Arts should consult with a counselor regarding the transfer process and lower division requirements.

The Hospitality Management curriculum prepares students for careers in the Hospitality industry, including culinary arts, food services, and other hospitality career fields. Hospitality is the second largest employing industry in the state of California and the United States. Students planning to transfer to a four-year institution and major in Hospitality should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Academic Services, Business, Computer Technology, and Hospitality (B - 127)

Division Phone Number: (909) 384-8520

Division Dean: Stephanie Lewis (slewis@sbccd.edu), Ph.D., Ed.S.

Faculty Chair: Stacy Meyer (smeyer@sbccd.edu), M.A.

Counselor Liaisons:

- Armando Garcia (argarcia@sbccd.edu), M.S.C.
- Patricia (Patty) Jones (pjones@sbccd.edu), M.A.

- Baking Business Certificate of Achievement
- Baking Certificate of Achievement
- Hospitality Management Associate in Science for Transfer Degree
- Hospitality/Culinary Arts Associate of Arts Degree

- Hospitality/Culinary Arts Certificate of Achievement
- Professional Baking and Management Associate of Arts Degree
- Restaurant Service Certificate of Achievement

Culinary Arts Courses

CULART 010 6 Units
Restaurant Service and Catering I
Lab: 324 contact hours
This course provides a supervised internship in the Culinary Arts Program's operational restaurant. The concentration will be on building basic preparation techniques, recipe standardization, time management, and preparing meals for customers.
Associate Degree Applicable

CULART 011 6 Units
Restaurant Service and Catering II
Lab: 324 contact hours
Prerequisite: CULART 010
This course provides a supervised internship in a student-run restaurant. The concentration will be building on the basic preparation techniques, recipe standardization, time management, and preparing meals for customers. The skills learned in this course will build on skills learned in Internship I.
Associate Degree Applicable

CULART 012 6 Units
Food Truck Restaurant and Catering Services
Lab: 324 contact hours
Prerequisite: CULART 010
This course provides a supervised internship in the culinary arts operational food truck restaurant. The concentration will be on building management and technical skills needed to manage or run a kitchen and caterings from a food truck.
Associate Degree Applicable

CULART 040 6 Units
Introduction to Baking
Lab: 324 contact hours
This basic baking course highlights baking techniques found in commercial kitchens with a focus on quick breads, cookies, pies, artisan breads and basic cakes.
Associate Degree Applicable

CULART 041 6 Units
Desserts and Pastries
Lab: 324 contact hours
Prerequisite: CULART 040
This course highlights baking techniques found in commercial kitchens with a focus on cakes and decorating, artisan breads, and complex pastry.
Associate Degree Applicable

CULART 042 6 Units
Cake Decorating
Lab: 324 contact hours
Prerequisite: CULART 041
This class will provide the experience the student needs to become competent in cake decorating. This class will cover royal icing, butter icing, fondant, mirror glaze, fillings and ganache.
Associate Degree Applicable

CULART 043 6 Units
Advanced Desserts and Pastry/Chocolate/Sugar
Lab: 324 contact hours
Prerequisite: CULART 041
This course highlights baking techniques found in commercial kitchens with a focus on cakes and decorating, artisan breads, sugar work, chocolate work and complex pastry.
Associate Degree Applicable

CULART 044 3 Units
Introduction to Baking Skills, Ingredients, and Technology
Lecture: 54 contact hours
This course examines the basic baking skills needed in order to work within the Food Service Industry. This course will include how to scale, the ingredient list and how to read a recipe, technology used in baking, the science behind baking and how and why baking works.
Associate Degree Applicable

CULART 050 3 Units
Healthy Cooking and Special Diets
Lecture: 18 contact hours
Lab: 108 contact hours
This hands-on cooking class is an overview of the important nutrition principles, beneficial foods, and cooking techniques that contribute to building better brain health. Students prepare anti-inflammatory and nutrient dense foods rich in healthy fats, herbs and spices, antioxidants, probiotics, fiber, vitamins and minerals to create a delicious meal preparation. The focus is on healthy eating, organic food, sustainability and special needs diets and cooking techniques.
Associate Degree Applicable

CULART 080 6 Units
Small Business and Catering Management
Lecture: 36 contact hours
Lab: 216 contact hours
This course covers catering and banquet techniques for serving 25 to 100 people. It includes developing a small business that will work with clients to develop an event, including customizing a menu and calculating staffing needs for preparation, cooking, transporting, setting up, serving and cleaning up. This course also caters to event planning.
Associate Degree Applicable

CULART 098 0.5-4 Units
Culinary Arts Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

CULART 161 3 Units
Quantity Food Preparation
Lecture: 18 contact hours
Lab: 108 contact hours
Departmental Recommendation: HOSP 160
This course details the basic principles, standards, procedures, and techniques necessary to prepare food for quantity production.
Associate Degree Applicable
Transfers to CSU only

CULART 205 3 Units
Principles of Design and Presentation
Lab: 162 contact hours
This course will explore the theory behind design and layout of platters, trays and plates for presentation. Students will learn presentation standards, matching and pairing of foods, and wines and sauces that make up presentation.
Associate Degree Applicable
Transfers to CSU only

CULART 225 3 Units
Sanitation and Safety
Lecture: 54 contact hours
This course focuses on the sanitation and safety issues involved with handling food through the food service process. Topics include the prevention of food borne illnesses; responsibilities of the food service manager and employees; the characteristics of a food-safe facility; food safety guidelines; and Hazard Analysis and Critical Control Point (HACCP) system and Serve Safe.
Associate Degree Applicable
Transfers to CSU only
C-ID: HOSP 110

CULART 240 3 Units
Procurement, Purchasing and Selection
Lecture: 54 contact hours
This course includes purchasing policies, specifications, procedures and controls and their implementation in the procurement of quantity foods, merchandise and supplies.
Associate Degree Applicable
Transfers to CSU only

CULART 250 3 Units
Wine, Beverage, and Food Pairing Concepts
Lecture: 54 contact hours
This course explores customer psychology and trends in the bar and beverage industry. This course will also cover beer, spirits, serving styles, wine and beverage service, and food and wine pairing. A thorough study of major grape varietals, and world-wide appellations and growing climates.
Associate Degree Applicable
Transfers to CSU only

Hospitality Management Courses

HOSP 100 3 Units
Introduction to Hospitality and Customer Service
Lecture: 54 contact hours
This course is an overview of the structure and financial performances of the food service and hospitality industry. It focuses on orientation to customer service, cultural/economic trends, and career opportunities in food service, tourism and hospitality.
Associate Degree Applicable
Transfers to CSU only
C-ID: HOSP 100

HOSP 120 3 Units
Hospitality Cost Control
Lecture: 54 contact hours
Departmental Recommendation: ACCT 200
This course delves into the management side of the hospitality industry and how to control the various costs involved in the industry such as labor, food, logistics, overhead, and how to keep the cost of doing business within the industry reasonable.
Associate Degree Applicable
Transfers to CSU only
C-ID: HOSP 120

HOSP 130 3 Units
Hospitality Food and Beverage Management
Lecture: 54 contact hours
This course will immerse the student in food and beverage management. Techniques and procedures of management are explored and developed as they relate to commercial and institutional food and beverage facilities such as hotels, casinos, schools, and prisons.
Associate Degree Applicable
Transfers to CSU only
C-ID: HOSP 130

HOSP 140 3 Units
Introduction to Hotel Management
Lecture: 54 contact hours
This course introduces the operating systems and components of a hotel/resort facility, which includes front office, housekeeping, food and beverage, sales, and marketing, accounting, property maintenance, human/resource management and information systems.
Associate Degree Applicable
Transfers to CSU only

HOSP 160 3 Units
Culinary Production and Kitchen Operations
Lecture: 18 contact hours
Lab: 108 contact hours
This course will expose the student to a variety of production methods within the hospitality industry, with an emphasis on kitchen production, soups, sauces, stocks, equipment in a commercial kitchen, menu development, and cooking techniques used in a commercial kitchen.
Associate Degree Applicable
Transfers to CSU only
C-ID: HOSP160/NUTR120

Baking Business Certificate of Achievement

This certificate helps to prepare students for the dynamic world of owning or managing a business in the baking industry. Students will learn about menu development, communication, food safety, and entrepreneurial skills, and will learn how to manage a diverse workforce.

Code	Title	Units
Required Courses:		
BUSAD 110	Human Resource Management	3
CULART 225	Sanitation and Safety	3
CULART 040	Introduction to Baking	6
CULART 041	Desserts and Pastries	6
CULART 044	Introduction to Baking Skills, Ingredients, and Technology	3
CULART 080	Small Business and Catering Management	6
CULART 240	Procurement, Purchasing and Selection	3
HOSP 100	Introduction to Hospitality and Customer Service	3
HOSP 120	Hospitality Cost Control	3
Total Units		**36**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create a training plan to appropriately acclimate staff to state and local sanitation and safety guidelines.
b. Discuss the proper way to handle staffing issues in a commercial bakery.
c. Plan a functional dessert bar including flow and plating concepts.
d. Plan an event for 100 people including total costs charged to the customer.

Baking Certificate of Achievement

The baking certificate will give students the fundamental knowledge and skills to prepare to become a baker or pastry cook. Students will create hearth and specialty breads, desserts, pastry, patisserie, and confections. Skills developed will be in menu planning, plating, communication, entrepreneurial and management skills, food safety, and cost control.

Code	Title	Units
Required Courses:		
CULART 040	Introduction to Baking	6
CULART 041	Desserts and Pastries	6
CULART 042	Cake Decorating	6
CULART 043	Advanced Desserts and Pastry/Chocolate/Sugar	6
CULART 044	Introduction to Baking Skills, Ingredients, and Technology	3
CULART 080	Small Business and Catering Management	6
CULART 205	Principles of Design and Presentation	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
HOSP 100	Introduction to Hospitality and Customer Service	3
Total Units		**45**

Code	Title	Units
Recommended Courses:		
BUSAD 110	Human Resource Management	3
HOSP 120	Hospitality Cost Control	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Establish and maintain safety and sanitation procedures.
b. Prepare standardized recipes using a variety of cooking, baking and pastry techniques, as well as appropriate equipment and tools.
c. Produce various baked goods and a variety of international and classic pastries and deserts using basic as well as advanced techniques which meet industry standards.
d. Design, produce, assemble and decorate display and wedding cakes using various finishing methods which meet industry quality standards.

Hospitality Management Associate in Science for Transfer Degree

Hospitality is the study of servicing and satisfying guests within hotels, restaurants, private clubs, managed food service, event planning, tourism related businesses, and travel providers. The students will be trained in principles of supervision, marketing, purchasing, cost control, customer service, basic food service and catering, business and accounting in relationship to the hospitality and tourism industry. The courses within this program are designed to provide students with applicable skills useful in a vast range of occupations.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Hospitality Management AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Hospitality Management should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
HOSP 100	Introduction to Hospitality and Customer Service	3
List A - Three courses from the following: (9 units)		
CULART 225	Sanitation and Safety	3
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
HOSP 120	Hospitality Cost Control	3
HOSP 130	Hospitality Food and Beverage Management	3
HOSP 160	Culinary Production and Kitchen Operations	3
List B - Two courses from the following (or any courses from List A not already used): (6-7 units)		
ACCT 200	Financial Accounting	4
BUSAD 210	Business Law	3
CULART 161	Quantity Food Preparation	3
CULART 240	Procurement, Purchasing and Selection	3
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
or PSYC 105	Statistics for the Behavioral Sciences	

Code	Title	Units
Major Total Units		**18-20**
Total Double-Counted Units		**6**
General Education (Cal-GETC) Units		**34**
Electives Units		**12**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Manage your own restaurant or manage a hospitality establishment for someone.
b. Identify local governance laws, rules and procedures regarding hospitality establishments.
c. Describe the relationship of human/social need for hospitality services.
d. Apply concepts learned in class to create a marketing concept for any hospitality establishment.
e. Create a HACCP plan for any food service establishment.

Hospitality/Culinary Arts Associate of Arts Degree

The Hospitality/Culinary Arts Associate of Arts Degree is designed to prepare students for fast-growing industry that includes commercial restaurants, institutions, health care facilities, school food services, and related food service industries at the middle management level. Skills gained from this certificate include basic to advanced techniques in food preparation, middle-management implementation, and entrepreneurship skills. Students will also be prepared to build and manage diverse teams. To graduate with a specialization in Hospitality/Culinary Arts, students must complete all requirements for the certificate plus the general breadth requirements for the Associate Degree (minimum total = 60 units)

Code	Title	Units
Required Courses:		
BUSAD 110	Human Resource Management	3
Required Hospitality Management Courses:		
HOSP 100	Introduction to Hospitality and Customer Service	3
HOSP 120	Hospitality Cost Control	3
HOSP 130	Hospitality Food and Beverage Management	3
HOSP 140	Introduction to Hotel Management	3
HOSP 160	Culinary Production and Kitchen Operations	3
Required Culinary Arts Courses:		
CULART 010	Restaurant Service and Catering I	6
CULART 011	Restaurant Service and Catering II	6
or CULART 012	Food Truck Restaurant and Catering Services	
CULART 080	Small Business and Catering Management	6
CULART 161	Quantity Food Preparation	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3

CULART 250	Wine, Beverage, and Food Pairing Concepts	3
Total Units		**48**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate how to use a knife and the basic knife cuts.
b. Calculate food costs as it applies to menus by pricing a menu as part of the final in this course.
c. Explain optimal quantity, and the price and standard specifications of ordering.
d. Recall the top five problems that the restaurant industry encounters.
e. Recall how to derive the “Break-even Point” of a restaurant.
f. Define and recall the purchasing function.
g. Recall the seven areas of a HACCP plan.
h. Be prepared to transfer a core curriculum to an accredited, four-year college or university with junior class standing in Culinary Arts or a related major.

Hospitality/Culinary Arts Certificate of Achievement

The Hospitality/Culinary Arts Certificate is designed to prepare students for fast-growing industry that includes commercial restaurants, institutions, health care facilities, school food services, and related food service industries at the middle management level. Skills gained from this certificate include basic to advanced techniques in food preparation, middle-management implementation, and entrepreneurship skills.

Code	Title	Units
Required Hospitality Courses:		
HOSP 100	Introduction to Hospitality and Customer Service	3
HOSP 120	Hospitality Cost Control	3
HOSP 130	Hospitality Food and Beverage Management	3
HOSP 140	Introduction to Hotel Management	3
HOSP 160	Culinary Production and Kitchen Operations	3
Required Culinary Arts Courses:		
CULART 225	Sanitation and Safety	3
CULART 010	Restaurant Service and Catering I	6
CULART 011	Restaurant Service and Catering II	6
CULART 080	Small Business and Catering Management	6
CULART 161	Quantity Food Preparation	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Wine, Beverage, and Food Pairing Concepts	3
Total Units		**45**

Code	Title	Units
Recommended Courses:		
BUSAD 110	Human Resource Management	3
BUSAD 210	Business Law	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate to the instructor during the final exam how to use a knife and the basic knife cuts.
b. Demonstrate how to calculate food costs as it applies to menus by pricing a menu as part of the final in this course.
c. Demonstrate that they understand optimal quantity, price and standard specifications of ordering by completing a class project that showcases each component of purchasing.
d. Demonstrate to the instructor by recalling the top five problems that the restaurant industry encounters on a final exam.
e. Recall on a written exam how to derive the 'Break-even Point' of a restaurant.
f. Define and recall on a written exam the purchasing function.
g. Recall the seven areas of a HACCP plan.

Professional Baking and Management Associate of Arts Degree

Students who receive their degree in baking will gain the skills and knowledge in baking and pastry arts. Students will create hearth and specialty breads, desserts, pastry, patisserie, and confections. Skills developed will be in menu development, communication, food safety, and cost control. Students will also take management courses and will learn how to manage a diverse workforce. To graduate with a specialization in Professional Baking and Management, students must complete all requirements for the certificate plus the general breadth requirements for the Associate Degree (minimum total = 60 units)

Code	Title	Units
Required Courses:		
BUSAD 110	Human Resource Management	3
CULART 040	Introduction to Baking	6
CULART 041	Desserts and Pastries	6
CULART 042	Cake Decorating	6
CULART 043	Advanced Desserts and Pastry/Chocolate/Sugar	6
CULART 044	Introduction to Baking Skills, Ingredients, and Technology	3
CULART 080	Small Business and Catering Management	6
CULART 205	Principles of Design and Presentation	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
HOSP 100	Introduction to Hospitality and Customer Service	3

HOSP 120	Hospitality Cost Control	3
Total Units		**51**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create a HACCAP Plan for a Bake Shop following local regulatory procedures.
b. Recite how to convert recipes when more or less servings need to be prepared.
c. Create a dessert menu for 100 people using a variety of ethnic desserts.
d. Describe cost control concepts that are used in the commercial food service industry.
e. Explain how to plate desserts using the principles of plating.

Restaurant Service Certificate of Achievement

The Restaurant Service Certificate is designed for students interested working the front of the house in commercial restaurants, institutions, health care facilities, school food services, and other related food service industries. Students will learn team dynamics and how to work with diverse groups.

Code	Title	Units
Required Courses:		
CULART 010	Restaurant Service and Catering I	6
CULART 011	Restaurant Service and Catering II	6
or CULART 012	Food Truck Restaurant and Catering Services	
CULART 080	Small Business and Catering Management	6
CULART 161	Quantity Food Preparation	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Wine, Beverage, and Food Pairing Concepts	3
HOSP 100	Introduction to Hospitality and Customer Service	3
HOSP 160	Culinary Production and Kitchen Operations	3
Total Units		**36**

Code	Title	Units
Recommended Course:		
HOSP 120	Hospitality Cost Control	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Establish and maintain safety and sanitation procedures.
b. Prepare standardized recipes using a variety of cooking techniques which meet industry quality standards.
c. Prepare a variety of recipes of utilizing the correct techniques, ingredients and equipment which meet industry quality standards.
d. Define and articulate the core values of the culinary professional.

Dance

The curriculum in the dance program provides basic preparation for further study in dance at the community or university level. It is the goal of the dance department to help students to develop their dance potential to the highest possible level.

Contact Information:

Division: Arts and Humanities (NH - 223)

Division Phone Number: (909) 384-8633

Division Dean: Nori Sogomonian (nsogomon@sbccd.edu), Ed.D.

Faculty Chairs: Melinda Fogle (mfogle@sbccd.edu), Ph.D. and Jessica Gordon (jgordon@sbccd.edu), M.M.

Counselor Liaisons:

- Tahirah (Ty) Simpson (tsimpson@sbccd.edu), M.S.Ed., PPS
- Michelle Tinoco (mtinoco@sbccd.edu), M.A.

DANCE 100 3 Units
Dance History and Appreciation
Lecture: 54 contact hours
This course is a comprehensive survey of dance from ancient times to the 21st century. Emphasis is placed on historical perspectives revealing dance as an emerging art form. The course curriculum also surveys the roles of dance in relation to religion, culture, politics, and social attitudes, as well as its relation to other art forms.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 101A 2 Units
Beginning Modern Dance
Lab: 108 contact hours
This course focuses on the inner impulse of modern dance and draws upon the movement vocabularies of classical, post-modern, and contemporary styles. A strong emphasis is placed on the acquisition of beginning modern dance movement vocabulary, dynamic alignment, and suppleness, flexibility, rhythmically, musicality, endurance and balance.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 101B 2 Units
Beginning/Intermediate Modern Dance
Lab: 108 contact hours
Prerequisite: DANCE 101A
This beginning/intermediate level of Modern Dance utilizes the basic knowledge of beginning modern dance techniques to increase the movement vocabularies of classical, post-modern, and contemporary styles. Students will utilize a higher level of codified modern dance terminology and combinations, which are essential to move forward in modern dance.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 102A 2 Units
Intermediate Modern Dance
Lab: 108 contact hours
This course offers an intermediate study of modern dance techniques. It will include movement vocabularies of Graham, Horton, Cunningham, Limon and the post modern and contemporary styles of today. Emphasis is on expanding and deepening the dancer's technical and expressive skills through more complicated techniques, combinations and improvisations. Concert and performance is required.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 102B 2 Units
Intermediate/Advanced Modern Dance
Lab: 108 contact hours
Prerequisite: DANCE 102A
This course explores further the development of modern dance skills, techniques and vocabulary developed in beginning through intermediate modern dance. An in-depth emphasis is placed on increased flexibility and endurance, clarity of technique, rhythm, time, form and energy through choreographic and improvisational exercises and combinations. Concert attendance and performance is required.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 103A 2 Units
Beginning Ballet
Lab: 108 contact hours
This course is an introduction to basic ballet technique emphasizing ballet etiquette, terminology, placement, and alignment, warm-up and injury prevention; body conditioning principles as they relate to ballet technique, flexibility and strengthening exercises, basic barre, basic center floor, and traveling combination exercises.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 103B 2 Units
Beginning/Intermediate Ballet
Lab: 108 contact hours
Prerequisite: DANCE 103A
This course will utilize the knowledge learned in Beginning Ballet to become more proficient in ballet technique by using higher level codified ballet terminology, utilizing placement, alignment, expanding and more complex warm-up technique, basic barre, basic center technique, increasing flexibility, furthering strengthening exercises and more complex traveling combination exercises as it relates to this level of ballet, while reviewing cumulative ballet technique for higher levels of ballet.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 105A 2 Units
Beginning Jazz Dance
Lab: 108 contact hours
This course is an introduction to the beginning techniques of Jazz Dance with a focus on movement vocabulary, placement, centering, balance, alignment, strength, flexibility, and across the floor progressions.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 105B 2 Units
Beginning/Intermediate Jazz Dance
Lab: 108 contact hours
Prerequisite: DANCE 105A
This course is a continuation and advancement of beginning level techniques with an additional introduction of intermediate techniques. These techniques collectively enable the student to demonstrate an increased ability to execute proper placement, alignment, balance, strength, flexibility, and across the floor progressions of dance movement.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 106A 2 Units
Intermediate Jazz Dance
Lab: 108 contact hours
Prerequisite: DANCE 105B
This course provides a continuing study of jazz dance techniques at the intermediate level including the styles and techniques of Jack Cole, Jerome Robbins, Frank Hatchett, Bob Fosse, Katherine Dunham, and more. Focus is given to the development of the dancer's technical and expressive skills, as well as historical and theoretical understandings of jazz technique for film, television, and stage. Public performance is required for this class.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 106B 2 Units
Intermediate/Advanced Jazz Dance
Lab: 108 contact hours
Prerequisite: DANCE 106A
This course provides a continuing study of jazz dance techniques at the intermediate level with an additional introduction of advanced techniques. Study of the styles and techniques of famous artists such as Debbie Allen, Gus Giordano, Michael Bennet, Mia Michaels and more are covered in this class. Contemporary and commercial jazz dance forms are also covered along with historical and theoretical understandings of jazz dance techniques related to the dancer's expressive skills. Public performance is required for this class.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 107X2 2 Units
Beginning Tap Dance
Lab: 108 contact hours
This is a basic course of instruction in the art of tap dancing. Topics include physical strengthening, rhythmic awareness, execution of basic tap-dancing steps, floor exercises, vocabulary for theatrical presentation of tap choreography, audience awareness and basic acting skills. This course may be taken two times.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 114X4 4 Units
Dance Rehearsal and Performance
Lab: 216 contact hours
Limitation on Enrollment: Enrollment in this class is contingent upon an audition for a current dance production.
This course provides instruction and supervision of rehearsal and performance in various dance productions. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU

DANCE 206X4 4 Units
Dance Production
Lab: 216 contact hours
This course provides instruction and analysis of all aspects of dance production including organizing a dance production; publicity and marketing; budget; theatrical and dance lighting; set design; costumes and makeup; and instruction in elements of physical theater, such as stage terminology, stage directions, and roles of theatre personnel. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU

Economics

Economics equips students with analytical tools to understand how resources are produced and distributed within societies. The curriculum covers essential areas including microeconomics (individual consumer and business decisions, market structures), macroeconomics (national income, employment, inflation, monetary policy), international trade, economic development, and data analysis using statistical methods. Students develop critical thinking, quantitative reasoning, and problem-solving abilities highly valued in today's job market. This foundation in economic theory and practical applications prepares graduates for diverse careers in business, government, banking, and nonprofit sectors, with solid pathways to management, law, policy analysis, education, and consulting. The program is specifically designed to fulfill lower-division requirements for seamless transfer to four-year institutions. Students interested in economics or business majors should consult with a counselor regarding transfer requirements. Our approach connects economic concepts to real-world issues affecting students' communities and personal financial decisions, making the discipline both practical and relevant.

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Wei-Chung Wang (weiwang@sbccd.edu), Ph.D.

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- Economics Associate in Arts for Transfer Degree

ECON C2001 3 Units
Principles of Microeconomics
Lecture: 54 contact hours
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.
An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. (Formerly ECON 201)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ECON 201

ECON C2001H 3 Units
Principles of Microeconomics - Honors
Lecture: 54 contact hours
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.
An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. This is an honors course. (Formerly ECON 201H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ECON 201

ECON C2002 3 Units
Principles of Macroeconomics
Lecture: 54 contact hours
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.
An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. (Formerly ECON 200)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ECON 202

ECON C2002H 3 Units
Principles of Macroeconomics - Honors
Lecture: 54 contact hours
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.
An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. This is an honors course. (Formerly ECON 200H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ECON 202

ECON 100 3 Units
Introduction to Economics
Lecture: 54 contact hours
This course is an entry-level, general education course which introduces and surveys basic macroeconomic, microeconomic, and personal finance principles. This course emphasizes the causes and consequences of the business cycle on output, employment, and prices as well as, basic supply and demand analysis across different market structures. Analysis further includes the role of the government in the macro-economy and the micro-economy.
Associate Degree Applicable
Transfers to both UC/CSU

ECON 208 4 Units
Business and Economic Statistics
Lecture: 72 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This course is a study of statistical methods commonly used in business and economics including measures of central tendency; measures of dispersion and skewness; probability concepts and distributions; statistical inferences; parametric and non-parametric hypothesis testing; index numbers time series analysis; simple regression, and correlation analysis.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MATH 110

Economics Associate in Arts for Transfer Degree

The Economics program focuses on the systematic study of the production, conservation and allocation of resources in conditions of scarcity, together with the organizational frameworks related to these processes. Economics is truly all around us, present in almost every aspect of our lives from the perspective that every human activity involves choice between alternatives (i.e., trade-offs) and the use of some scarce resource. Studying the subject gives students a general understanding of the world and its inner workings. Students learn everything from what determines the price of goods and services to why the average standards of living vary so widely within and between countries. An economics major is very versatile and provides excellent preparation for law school. Economics majors can find positions with the government, in all areas of business decision-making, in positions associated with technology or finance, and more.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Economics AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Economics should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
ECON C2002	Principles of Macroeconomics	3
or ECON C2002	Principles of Macroeconomics - Honors	
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	

or STAT C1000H	Introduction to Statistics - Honors	
MATH 141	Business Calculus	4
or MATH C2210	Calculus I: Early Transcendentals	
List A - One course from the following: (3-4 units)		
ACCT 200	Financial Accounting	4
ACCT 201	Managerial Accounting	4
BUSAD 127	Business Communication	3
CIT 101	Introduction to Computer Literacy	3
MATH 102	College Algebra	4
MATH 151	Precalculus	4
MATH C2220	Calculus II: Early Transcendentals	4
List B - One course from the following: (3-5 units)		
ECON 100	Introduction to Economics	3
ETHS 100	Introduction to Ethnic Studies	3
GLST 101	Introduction to Global Studies	3
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
POLS 140	Introduction to Comparative Politics	3
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
POLS 150	Introduction to Public Policy	3
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	

Code	Title	Units
Major Total Units		**20-23**
Total Double-Counted Units		**9**
General Education (Cal-GETC) Units		**34**
Elective Units		**12-15**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Explain, graph, and analyze key macroeconomic and microeconomic models by applying the concept of market equilibrium.
b. Identify data sources, describe appropriate empirical tools, and perform research on data they retrieve from original surveys, or official and industry sources.
c. Evaluate economic issues and public policy by using economic models or data analysis while identifying underlying assumptions of the model(s) and limitations.
d. Communicate economic ideas by means of written essays or reports which demonstrate the ability to formulate informed opinions on economic policy issues and recognize the validity of opposing viewpoints.

Education, Reading and Literacy

The Department of Education, Reading and Literacy serves a diverse community of learners by offering comprehensive instruction and curriculum in two distinct academic disciplines: Education (EDUC) and Reading (READ). The education (EDUC) curricula support students pursuing careers in K–12 teaching through robust teacher preparation pathways grounded in research-based practices and real-world application. The Reading and Literacy (READ) curricula are designed to strengthen students' reading proficiency across a range of skill levels. They support the development of foundational and advanced reading strategies, including developmental reading, academic literacy, and critical thinking. These courses empower students to become more effective readers, thinkers, and communicators, enhancing students' academic success and supporting lifelong learning. Through inclusive, evidence-based instruction, the department prepares students to become reflective educators, critical readers, and advocates for lifelong learning.

Education Curriculum

The Education (EDUC) curriculum provides foundational, interdisciplinary coursework designed for students interested in pursuing transfer pathways and careers in education. Courses emphasize instructional strategies, educational theory, and practical classroom experience, preparing students for success in upper-division programs and diverse educational settings. Students can follow structured transfer pathways, such as the Associate in Arts for Transfer (AA-T) in Elementary Teacher Education: Integrated Programs or the Associate of Arts (AA) in Education, Society, and Human Development, which align with programs at the four-years. These degrees include fieldwork and observation components supported by partnerships with local K–12 school districts and formal agreements between colleges and universities, ensuring students receive both academic preparation and hands-on experience for careers in teaching, policy, advocacy, and other education-related fields.

Reading and Literacy Curriculum

The Reading and Literacy (READ) curriculum supports students in developing essential reading comprehension, critical thinking, and literacy skills applicable across academic disciplines. The program offers both developmental and college-level courses tailored to meet diverse student goals and learning needs. Through these courses, students strengthen foundational reading strategies while also engaging with more complex texts that promote analytical thinking and argument evaluation. By emphasizing reading as an active, critical process, the curriculum equips students with the skills needed to succeed academically and to interpret and respond thoughtfully to the demands of a complex society.

The department's complete suite of reading literacy curricula includes the following courses:

Code	Title	Units
READ 015	Preparation for College Reading	4
READ 615	Preparation for College Reading	0
READ 100	College Academic Reading	3
READ 102	Critical Reading as Critical Thinking	3
READ 103	Reading and Literacy for Lifelong Learning	3
READ 104	Critical Reading, Thinking and Literacy [1]	3

[1] Eligible for Cal-GETC, Area 1B

In today's rapidly evolving world, where information is often skimmed rather than deeply understood, critical reading literacy has never been more essential. The department's reading curriculum is designed to counter the effects of a post-literate society by equipping students with the tools to become thoughtful, informed, analytical readers and independent thinkers. Faculty in the department are dedicated to building strong foundational reading skills, fostering a love of learning, and guiding students as they learn to analyze, evaluate, and engage with a wide variety of texts. These skills are essential for academic success and lifelong learning.

Contact Information

Division: Social Sciences and Human Development (NH-345)

Phone Number: (909) 387-1653

Faculty Chair: Kimberly D. Jefferson (kjeffers@sbccd.edu), M.A.

Counselor Liaisons: Frank Dunn (fdunn@sbccd.edu), M.P.A. and Andre Wooten (awooten@sbccd.edu), M.S.

- Elementary Teacher Education: Integrated Programs Associate in Arts for Transfer Degree

EDUC 100 3 Units
Introduction to Education Studies
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course provides an overview of the field of education, education theory, and learning inside and outside the classroom and introduces public policy and a critical perspective on the ideological and social construction of schools in the United States. It also includes interpretations of learning conditions through student observations and experiences in varied educational and learning contexts.
Associate Degree Applicable
Transfers to both UC/CSU

EDUC 101 3 Units
Principles of Learning Strategies
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course introduces attitudes and behaviors associated with successful learning and achievement and compares learning theories and research-based learning strategies to school, home, and multimedia regarding different types of learners and topic areas.
Associate Degree Applicable
Transfers to both UC/CSU

EDUC 102 3 Units
Introduction to Education Policy
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course provides an overview of how federal and state education policy and practice, assessment theories, teaching practices and methodologies can exert a positive impact on teaching and learning outcomes frameworks governing public education. It explores the political dynamics of policy-making with an emphasis on centralized policy-making authority and on efforts to reform and improve public schools. It also explores competing values guiding policy debates and dilemmas of centralized policy control.
Associate Degree Applicable
Transfers to both UC/CSU

EDUC 103 3 Units
Education, Society, and Culture
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course introduces the history and philosophy of public education in the United States, how and why certain school-society issues first arose in this country, and how those issues have changed over time with an emphasis on critical social justice-oriented theories and principles that actively address the dynamics of oppression and privilege within the context of education, society, and culture. This course examines society as the product of historically rooted, institutionally sanctioned stratification along socially constructed group lines, including race, class, gender, sexual orientation, and ability. It also includes a survey of the political economy, dominant ideologies, and existing educational practices that have precedents in various historical eras with an examination of the history of education of girls and women, People of Color, minority groups and people of varying socioeconomic classes.
Associate Degree Applicable
Transfers to both UC/CSU

EDUC 200 3 Units
Introduction to Elementary Education
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course introduces students to the concepts and issues related to teaching diverse learners in contemporary public schools (K-12). Topics include historical and philosophical foundations of the American education system, education theory, multiculturalism, teaching as a profession and career, contemporary education issues, California Content Standards and framework, and teacher performance standards. In addition to class time, 45-hours of structured fieldwork are required at an approved public school elementary classroom with a certified classroom teacher and students that represent California's diverse population. Proof of a negative TB test and fingerprint clearance are required for classroom observations.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: EDUC 200

EDUC 201 3 Units
Looking into Classrooms: Secondary Education
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course has an emphasis on understanding the role of the secondary education teacher, instructional methods, curriculum as it relates to grade-level state standards, teacher preparation, educational theory, learning theory, teaching theory, cooperative relationships, and professional ethics of teaching. Students record and interpret their observations and compare them to published studies of classrooms. Designed for students interested in teaching middle school, grades 6-8, and high school, grades 9-12, including secondary education classrooms designated as Career Technical Education (CTE) and Special Education, this course involves classroom observations in local schools identified as having exemplary programs Proof of a negative TB test and fingerprint clearance are required for classroom observations.
Associate Degree Applicable
Transfers to both UC/CSU

READ 015 4 Units
Preparation for College Reading
Lecture: 72 contact hours
Have you seen the movies IT or Doctor Sleep? They are based on Stephen King novels. How about The Hate U Give, Crazy Rich Asians, or Jurassic Park? These movies were also book-to-movie adaptations. If you're a fan of movies, read the books that inspired them! This course is designed to foster improvement in reading comprehension and vocabulary. Coursework includes reading texts from various genres and other assignments, while preparing students for college reading success across the disciplines. This course may also be offered for noncredit as READ 615.
Associate Degree Applicable

READ 100 3 Units
College Academic Reading
Lecture: 54 contact hours
This course is designed to improve reading and learning processes, reading comprehension, and critical thinking strategies as applied to all stages of academic reading. Emphasis will be on the integration and synthesis of academic text.
Associate Degree Applicable
Transfers to CSU only

READ 102 3 Units
Critical Reading as Critical Thinking
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course explores the relationship of critical reading and critical thinking with an emphasis on the development of critical thinking skills and the application in the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading.
Associate Degree Applicable
Transfers to CSU only

READ 103 3 Units
Reading and Literacy for Lifelong Learning
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course focuses on providing students with reading and information literacy strategies for college completion and lifelong success. These skills include identifying, evaluating, and applying practical reading and learning techniques utilizing social, physical, and psychological resources and tools.
Associate Degree Applicable
Transfers to CSU only

READ 104 3 Units
Critical Reading, Thinking and Literacy
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course explores the relationship between critical reading and literacy to critical thinking. Instruction in methods of critical reasoning, inquiry-driven research, argumentative writing, and the strategies necessary for college reading application in interpretation, analysis, criticism, and advocacy of ideas encountered in academic non-fiction texts across disciplines. Emphasis on texts which explore contemporary issues, including cultural diversity, equity, and anti-racism.
Associate Degree Applicable
Transfers to both UC/CSU

READ 615 Noncredit
Preparation for College Reading
Lecture: 72 contact hours
Have you seen the movies IT or Doctor Sleep? They are based on Stephen King novels. How about The Hate U Give, Crazy Rich Asians, or Jurassic Park? These movies were also book-to-movie adaptations. If you're a fan of movies, read the books that inspired them! This noncredit course is designed to foster improvement in reading comprehension and vocabulary. Coursework includes reading texts from various genres and other assignments, while preparing students for college reading success across the disciplines. This course may also be offered for credit, as READ 015.

Education, Society, and Human Development Associate of Arts Degree

The Associate of Arts degree in Education, Society, and Human Development offers a comprehensive understanding of contemporary educational issues, policies, and research practices in diverse learning environments. The program includes practical community-based fieldwork. Graduates are equipped for various careers in education-related fields, spanning advocacy, public policy, community leadership, and working with special populations in sectors like law, healthcare, and the arts.

Code	Title	Units
Required Courses:		
EDUC 100	Introduction to Education Studies	3
EDUC 101	Principles of Learning Strategies	3
EDUC 102	Introduction to Education Policy	3
EDUC 103	Education, Society, and Culture	3
EDUC 200	Introduction to Elementary Education	3
or EDUC 201	Looking into Classrooms: Secondary Education	
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
Total Units		**18**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Examine the key theories and historical viewpoints relevant to contemporary education.
b. Develop practical skills in curriculum design, instructional strategies, and inclusive practices for effective engagement in diverse educational settings.
c. Critically assess societal issues and inequities impacting education and advocate for inclusivity and positive social change within the educational system.

Elementary Teacher Education: Integrated Programs Associate in Arts for Transfer Degree

The AA-T, Elementary Teacher Education: Integrated Programs, prepares students for elementary school teaching careers, grades K-5. Our preliminary degree provides students with interdisciplinary subject matter expertise as required for seamless transfer to a four-year university's bachelor's degree completion program in Liberal Studies and fulfills its lower-division requirements. Its introductory education course emphasizes equitable, culturally responsive pedagogy and teacher performance expectations, including professional teaching standards. In addition, students complete early fieldwork placements in our community, which allows future educators to observe active teaching and learning in today's diverse classrooms. These authentic, contextualized learning opportunities are intentionally designed for undergraduate students interested in public service, through teaching careers in elementary schools, grades K-5.

The Associate in Arts for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Elementary Teacher Education AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Elementary Teacher Education should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
BIOL C1000	Introduction to Biology with Lab	4
COMM C1000	Introduction to Public Speaking	3
or COMM C1000H	Introduction to Public Speaking - Honors	
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
EDUC 200	Introduction to Elementary Education	3
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
POLS C1000	American Government and Politics	3
or POLS C1000H	American Government and Politics - Honors	
ENGL C1002	Introduction to Literature	3
or ENGL C1002H	Introduction to Literature - Honors	
or HIST 170	World History to 1500	
List A - One from the following:		

CHEM 101 & PHYSIC 101	Introductory Chemistry and Introductory Physics	8
GEOL 140 & GEOL 141	Earth Science and Earth Science Laboratory	4
List B - One course from the following:		
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200	Survey of Art from the Renaissance to Contemporary - Honors	
ARTH 103	Art Appreciation	3
DANCE 100	Dance History and Appreciation	3
MUS 100	Music Appreciation	3
or MUS 100H	Music Appreciation - Honors	
THART 100	Introduction to the Theatre	3
or THART 100H	Introduction to Theatre - Honors	
List C - Complete up to 12 additional units from the following: (0-12 units) [1]		
HIST 145	History of California	3
or HIST 145H	History of California - Honors	
GEOG 102	Cultural Geography	3
or GEOG 120	World Regional Geography	
ENGL C1001	Critical Thinking and Writing	3-4
or ENGL C1001	Critical Thinking and Writing - Honors	
or PHIL 102	Critical Thinking and Writing	
or PHIL 103	Introduction to Logic: Argument and Evidence	
or READ 104	Critical Reading, Thinking and Literacy	
or READ 102	Critical Reading as Critical Thinking	

Code	Title	Units
Major Total Units		**42-47**
Total Double-Counted Units		**25**
General Education (Cal-GETC) Units		**34**
Elective Units		**4-9**
Total Units		**60**

[1] Note: Students preparing to transfer to CSUSB's Liberal Studies-General, B.A. should complete the following courses from List C: HIST 145 or HIST 145H **and** GEOG 102 or GEOG 120.

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Defend an educational position, view, or theory.
b. Develop an educational philosophy.
c. Summarize practical knowledge of the teaching profession.

Electricity, Electronics, and Technical Calculations

The Electricity/Electronics curriculum is designed to provide entry-level job training in this broad and expanding field. These classes lead to trainee positions in maintenance, installation, field service, networking, and apprenticeship in the area of specialization. Students who seek a Certificate or an Associate of Science Degree in the fields below will complete a series of Electronics Technology courses common to electricity, communications, and computers and then complete the appropriate area of specialization:

a. Electronics Technology,
b. Communication Engineering Technology,
c. Computer Engineering Technology,
d. Electric Power Technology, or
e. Avionics Technology,

A certificate is also available in the General Electrician Certification Program as well as Industrial Automation, and Green technician certification programs.

Students planning to transfer to a four-year institution and major in electronics should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chair: Tarif (Terry) Halabi (thalabi@sbccd.edu), M.S.E.E.

Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

Students working for a degree or certificate in Electricity/ Electronics must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select. The programs offered will prepare student with the fundamentals of electronics technology by offering courses common to electricity, communications and computers, and power technology. This preparation can be for transfer to the university or for further study in areas of communications, computers, electricity, and aircraft electronics. It can also prepare students for entry-level positions in electronics maintenance, installation, field service, networking, and apprenticeship in the field of electronics technology. Students should have normal color vision, and hand/eye coordination.

- Avionics Technology Associate of Science Degree
- Avionics Technology Certificate of Achievement
- Communication Engineering Technology Associate of Science Degree
- Communication Engineering Technology Certificate of Achievement
- Computer Engineering Technology Associate of Science Degree

- Computer Engineering Technology Certificate of Achievement
- Electric Power Technology Associate of Science Degree
- Electric Power Technology Certificate of Achievement
- Electronics Technology Associate of Science Degree
- Electronics Technology Certificate of Achievement
- General Electrician Certificate of Achievement
- Green Technician Certificate of Career Preparation
- Industrial Automation Certificate of Achievement
- Smart Systems Automation Technology Certificate of Completion
- Zero Net Energy Certificate of Achievement

Construction Technology Course

CONST 600 Noncredit
Multi-Craft Core Curriculum (MC3)
Lecture: 120 contact hours
Lab: 32 contact hours
The Multi-Craft Core Curriculum (MC3) noncredit course prepares students for a career in industrial maintenance, construction, and engineering by providing comprehensive and practical content emphasizing both technical and soft skills essential for success in any industry. Students will acquire a competitive advantage in the job market and gain the confidence needed to pursue their career goals. The MC3 program is recognized by the Building Trades National Apprenticeship and Training Committee and is an excellent pathway for individuals interested in pursuing registered apprenticeship programs.

Electricity Courses

ELEC 021 3 Units
Blueprint Reading for Building Energy Systems
Lecture: 54 contact hours
Departmental Recommendation: TECALC 087
This course is a study of basic information for reading blueprints and construction drawings. It is designed for those who must assimilate information found in working drawings and specifications.
Associate Degree Applicable

ELEC 050 4 Units
Zero Net Energy Building Science
Lecture: 72 contact hours
Zero Net Energy (ZNE) Building Science includes an overview of many progressive measures that improve the energy performance of buildings. Studies focus on architectural design of building, construction methodology, green HVAC systems, renewable energy systems and the terminology used in the ZNE Industry. A survey of projects, policies and programs driving ZNE performance in residential and non-residential buildings will be studied.
Associate Degree Applicable

ELEC 091 3 Units
Fundamentals of Solar Energy
Lecture: 54 contact hours
This course is designed for students interested in a career in the solar industry. The fundamental principles and functions of the photovoltaic industry will be introduced along with the planning, installation and maintenance of all necessary components for a photovoltaic system. The transmission and distribution of electric power will be reviewed, and basic concepts of electricity, identification, functions and operations of components will be surveyed. At the end of this course, students will be prepared to complete industry certification examinations.
Associate Degree Applicable

ELEC 101 3 Units
Supply Chain Technology
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 110 and ELECTR 111
This course is an industrial technology overview covering the basic knowledge and skills needed for supply chain technicians to successfully work in automated factories, warehouses, and distribution centers. Introduction to the troubleshooting and maintenance of complex electromechanical systems is a major focus of this class.
Associate Degree Applicable
Transfers to CSU only

ELEC 215C 4 Units
Electrical Control of Hydraulic-Pheumatic Systems
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 115 and ELECTR 116
This course introduces hydraulic/pneumatic fundamentals, principle of electrical control of hydraulic/pneumatic systems, electrical concepts of ladder diagrams, functional systems of electrical/hydraulic/pneumatic sequencing of actuators, industrial applications, industrial-type hydroelectric and electro pneumatic circuits, and troubleshooting electrically controlled hydraulic/pneumatic systems.
Associate Degree Applicable
Transfers to CSU only

ELEC 216C 4 Units
Introduction to Industrial Electricity
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 110 and ELECTR 111
This course covers the study of electrical power transmission, the National Electrical Code, electrical blueprints, residential and commercial wiring.
Associate Degree Applicable
Transfers to CSU only

ELEC 217C 4 Units
Industrial Electricity
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 115 and ELECTR 116
This course covers the study of DC motors, single and polyphase AC motors, and the necessary controls and measuring equipment used for industrial circuit protection and switching equipment.
Associate Degree Applicable
Transfers to CSU only

ELEC 218C 4 Units
Controlling Industrial Electricity
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 115 and ELECTR 116
This course covers the study of DC, AC, and polyphase motor operation, mechanical and programmable machine controls, relays and programmable logic controllers (PLCs), ladder logic diagrams and the communication network linking the programmer, the controller, the laptop computer and the machine.
Associate Degree Applicable
Transfers to CSU only

ELEC 219C 4 Units
Industrial Electronic Systems Controls II
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELEC 218C
This course examines system application of industrial electronic systems (PLC) including industrial production and processes, automation, and programmable motor controllers. Emphasis is on programmable logic controllers.
Associate Degree Applicable
Transfers to CSU only

ELEC 606 Noncredit
Programmable Logic Controller (PLC)
Lecture: 54 contact hours
The purpose of this noncredit electronics technology course is to align with the growing portion of the electronic companies that can employ workers with specific skills/knowledge and specialize in the field of control systems.

ELEC 607 Noncredit
Preparation for Journeyman Electrician Exam
Lecture: 54 contact hours
The purpose of this noncredit electrical technology course is to allow a growing population of electrical workers understand specific sections of the National Electrical Code (NEC). The course includes the expected knowledge of the service, load calculations, grounding and overcurrent protection for conductors, motors, and transformers.

ELEC 608 Noncredit
Wireless Communications
Lecture: 54 contact hours
The purpose of this noncredit electronics technology course is to align with the growing portion of the electronic companies that can employ workers with specific skills, knowledge and specialize in the field of wireless communications.

ELEC 609 Noncredit
Antennas and Wave Propagation
Lecture: 27 contact hours
The purpose of this noncredit electronics technology course is to align with the growing portion of the electronic companies that can employ workers with specific skills, knowledge and specialize in the field of antennas and wave propagation.

ELEC 621 Noncredit
Blueprint Reading for Building Energy Systems
Lecture: 54 contact hours
This noncredit course is a study of basic information for reading blueprints and construction drawings. It is designed for those who must assimilate information found in working drawings and specifications.

ELEC 650 Noncredit
Zero Net Energy Building Science
Lecture: 72 contact hours
Zero Net Energy (ZNE) Building Science noncredit course includes an overview of many progressive measures that improve the energy performance of buildings. Studies focus on architectural design of building, construction methodology, green HVAC systems, renewable energy systems and the terminology used in the ZNE Industry. A survey of projects, policies and programs driving ZNE performance in residential and non-residential buildings will be studied.

Electronics Courses

ELECTR 098 0.5-4 Units
Electronics Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

ELECTR 110 3 Units
Direct Current Circuit Analysis
Lecture: 54 contact hours
Corequisite: ELECTR 111
This is a comprehensive course in direct current circuit analysis including Ohm's law, series and parallel circuit analysis, voltage and current dividers, DC meters, Kirchhoff's laws, magnetic circuits, and network theorems.
Associate Degree Applicable
Transfers to both UC/CSU

ELECTR 111 1 Unit
Direct Current Circuit Laboratory
Lab: 54 contact hours
Corequisite: ELECTR 110
This course is the laboratory complement to ELECTR 110 including experiments reinforcing the theory of electricity and the necessary technical skills.
Associate Degree Applicable
Transfers to both UC/CSU

ELECTR 115 3 Units
Alternating Current Circuit Analysis
Lecture: 54 contact hours
Prerequisite: ELECTR 110 and ELECTR 111
Corequisite: ELECTR 116
This course is an in depth analysis of alternating current circuits to include AC generation and transformation, inductance and inductive circuits, capacitance and capacitive circuits, time constants, rectangular and polar notation, AC circuit analysis, resonance, and filters.
Associate Degree Applicable
Transfers to both UC/CSU

ELECTR 116 1 Unit
Alternating Current Circuit Laboratory
Lab: 54 contact hours
Prerequisite: ELECTR 110 and ELECTR 111
Corequisite: ELECTR 115
This course is the laboratory complement to ELECTR 115 including skill training in reading and interpreting measurements on an oscilloscope, using QT boards, function generators, and other test equipment.
Associate Degree Applicable
Transfers to both UC/CSU

ELECTR 155 3 Units
Electronic Drawing and Assembly
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 110
This course covers electronic schematic capture, simulation, export to printed circuit board design, layout, and auto-routing software. It includes basic Computer Aided Design (CAD) drafting, block diagrams, library component templates, and printed circuit board (PCB) design, fabrication, and assembly, using with through-hole and surface-mount technology and devices (SMT and SMD).
Associate Degree Applicable
Transfers to CSU only

ELECTR 220C 3 Units
FCC Rules and Regulations
Lecture: 54 contact hours
This course is a review of the requirements and questions for the General Radiotelephone Operator's License offered by the Federal Communications Commission.
Associate Degree Applicable
Transfers to CSU only

ELECTR 230 3 Units
Semiconductor Devices
Lecture: 54 contact hours
Prerequisite: ELECTR 110
This course is a study of semiconductor devices including the chemistry and physics of the structure of the atom and of the semiconductor material and the operation of semiconductor devices based on energy level analysis.
Associate Degree Applicable
Transfers to CSU only

ELECTR 235 4 Units
Solid State Circuit Analysis
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 230
This course covers an analysis of discrete solid-state circuits and their design including diodes, circuit configurations, amplifiers and amplification, biasing techniques, feedback principles, FETs, photo devices, and evaluation of designed circuits.
Associate Degree Applicable
Transfers to CSU only

ELECTR 250C 4 Units
Radio Transmitters, Receivers and Antennas
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 115 and ELECTR 116
In this course, students explore topics of electronic communications, such as the electromagnetic frequency spectrum, frequency bands, analog and digital modulation, digital data, antennas, transmission lines and loads, government services and fiber optics. Exercises include diagramming modern transmitter and receiver components, plotting impedances, and making line and load conversions.
Associate Degree Applicable
Transfers to CSU only

ELECTR 255C 4 Units
Telephone and Data Networking
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 115 and ELECTR 116
This course includes telephone topology with emphasis on the Open System Interconnection (OSI) model, telephony color code, tools, patch panels, phone wiring and installation, voice and data block wiring, installation, and programming/ troubleshooting a digital key system and network.
Associate Degree Applicable
Transfers to CSU only

ELECTR 257C 4 Units
Navigation and Communication Systems
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 250C
This course covers the bench test, installation and ramp test of transmitter and receiver systems and their operating principles. Systems include Auto Direction Finder, Very High Frequency Omnirange, LORAN-C, Omega, INS, DME, ILS, VHF communication, HF communication, FM transceivers and transponder.
Associate Degree Applicable
Transfers to CSU only

ELECTR 265 4 Units
Digital Logic Design
Lecture: 54 contact hours
Lab: 54 contact hours
This course covers combinational logic utilizing Boolean algebra and the binary numbering system. Topics include Karnaugh maps, truth tables, coding, switching circuits, converters, logic circuit elements, Flip Flops, Shift Registers, timers, Counters, digital-to-analog and analog-to-digital conversions, decoders, multiplexers, demultiplexers, and displays.
Associate Degree Applicable
Transfers to CSU only

ELECTR 266 4 Units
Microprocessor Technology with Assembly Language
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 265
This course covers the fundamental principles of microprocessors and microcontrollers. The architecture of the Atmel AT328 series microcontroller is highlighted along with its' operation and applications in embedded systems. Students make use of assembly language and C language to interface with both analog and digital circuitry. Software simulation tools and microcontroller trainer boards are used in lab exercises and a final project.
Associate Degree Applicable
Transfers to CSU only

ELECTR 270 4 Units
Linear Integrated Circuit Analysis
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 115 and ELECTR 116
This course is a review of bipolar transistor fundamentals and differential amplifiers with emphasis on inner connections and circuit designs using integrated circuit operational amplifiers (OP AMPS), phase-lock loops, and current differentiating amplifiers. Oscilators, wave generators, Scaler, integrator, differentiator, voltage summing, differential amplifier, and active filter circuits with various responses utilizing Operational Amplifiers are covered, including breadboarding and evaluation of various types of active linear and pulse circuits involving operational amplifiers and phase-lock loops.
Associate Degree Applicable
Transfers to CSU only

ELECTR 280C 4 Units
Computer Operation and Maintenance
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 266
This course provides a working knowledge of the principles and analysis techniques applicable to computer operations and maintenance. It includes the theory and experience necessary to understand and analyze computer circuitry as needed for entry-level work in the computer and electronics industry.
Associate Degree Applicable
Transfers to CSU only

ELECTR 290C 4 Units
Industrial Computers and Robotics Maintenance
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ELECTR 266
This course is a comprehensive study of computers and robots used in industry. Including diagnostics and programming for controlling robots, machines and medical equipment.
Associate Degree Applicable
Transfers to CSU only

ELECTR 600 Noncredit
Preparation for DC Circuit Certification
Lecture: 54 contact hours
This noncredit electronics technology course prepares students with the specific skills and knowledge in the field of Direct Current (DC) processes and circuits. This course prepares students to take the DC Basics Certification Exam with the Electronics Technicians Association (ETA).

ELECTR 601 Noncredit
Preparation for AC Basics Certification
Lecture: 54 contact hours
This noncredit electronics technology course prepares students with the specific skills and knowledge in the field of AC circuits. This course prepares students to take the AC Basics Certification Exam with the Electronics Technicians Association (ETA).

ELECTR 602 Noncredit
Preparation for Analog Electronics Certification
Lecture: 108 contact hours
This noncredit electronics technology course prepares students with the specific skills and knowledge in the field of analog processes and circuits. This course prepares students to take the Analog Electronics Certification Exam with Electronics Technicians Association (ETA).

ELECTR 603 Noncredit
Preparation for Digital Basics Certification
Lecture: 54 contact hours
This noncredit electronics technology course prepares students with the specific skills and knowledge in the field of digital processes and circuits. This course prepares students to take the Digital Basics Certification Exam with the Electronics Technicians Association (ETA).

ELECTR 604 Noncredit
Preparation for Comprehensive Electronics Certification
Lecture: 54 contact hours
This noncredit electronics technology course prepares students with the specific skills and knowledge in the field of comprehensive knowledge of motors, generators, control circuits, circuit protection, and power distribution. This course prepares students to take the Comprehensive Electronics Certification with the Electronics Technicians Association (ETA).

ELECTR 620 Noncredit
Introduction to Computer Networking
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-CN industry certification. The course covers wire and wireless local area network basics, Internet/VoIP services and security, hardware and software installation, and cabling distribution.

ELECTR 621 Noncredit
Security, Alarm, and Surveillance Systems
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-SS industry certification. The course covers closed-circuit television (CCTV) system, security and fire alarm system, Voice-over-Internet Protocol (VoIP), security cameras, smart locks, and smart access control.

ELECTR 622 Noncredit
Smart Environmental Controls
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-EC industry certification. The course covers smart lighting, smart thermostats, smart plugs and switches, smart HVAC, and carbon monoxide and smoke detectors, and other miscellaneous smart devices.

ELECTR 623 Noncredit
Audio-Visual Entertainment Systems
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit course prepares students to take the ETA (Electronics Technicians Association International) STS-AV industry certification. The course covers smart televisions and projectors, HD, UHD, LED, and OLED television technologies, wireless smart speakers, Wi-Fi screencasting, audio and HD cabling, amplifiers and receivers, surround sound speaker systems and connectors, rackmounts, and other accessories.

Technical Calculations Course

TECALC 087 4 Units
Technical Calculations
Lecture: 72 contact hours
This course covers practical use and applications of technical calculations most commonly utilized in the trades and industry. Topics include electrical measurements, temperature, volume, weight, and positioning including the number line, working with dedicated formula, applied problems, geometric principles, graphs, right triangles, coordinate systems, and scientific and engineering notation. Concepts, techniques, and applications of arithmetic and elementary algebra emphasizing applications to practical problems. Interactive and traditional problem-solving methods. Class interactive group exercises applying mathematical techniques to various applications and real-world problems. A course in mathematical problems is frequently used by students enrolled in the trades and industrial and engineering programs. Problems are drawn from the industrial field.
Associate Degree Applicable

Avionics Technology Associate of Science Degree

To graduate with a specialization in Avionics Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
AERO 021	Aviation Fundamentals [1]	3
AERO 040	Instrument Ground School	4
ELECTR 220C	FCC Rules and Regulations	3
ELECTR 250C	Radio Transmitters, Receivers and Antennas	4
ELECTR 257C	Navigation and Communication Systems	4
Total Units		**52**

[1] AERO 052 & AERO 053 can be substituted for AERO 021 & AERO 040

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer a core curriculum to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex navigational and airborne communications circuits.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of avionics technology.

Avionics Technology Certificate of Achievement

This certificate is designed to provide students with the fundamentals of electronics technology as it applies to avionics. The curriculum prepares students for entry-level positions in aircraft electricity, maintenance, installation, field service, networking, and apprenticeship in the field of avionics technology.

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
AERO 021	Aviation Fundamentals [1]	3
AERO 040	Instrument Ground School	4
ELECTR 220C	FCC Rules and Regulations	3
ELECTR 250C	Radio Transmitters, Receivers and Antennas	4
ELECTR 257C	Navigation and Communication Systems	4
Total Units		**52**

[1] AERO 052 & AERO 053 can be substituted for AERO 021 & AERO 040.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer a core curriculum to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex navigational and airborne communications circuits.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of avionics technology.

Communication Engineering Technology Associate of Science Degree

To graduate with a specialization in Communication Engineering Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELECTR 220C	FCC Rules and Regulations	3
ELECTR 250C	Radio Transmitters, Receivers and Antennas	4
ELECTR 255C	Telephone and Data Networking	4
Total Units		**45**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex communications systems.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of electronic communications technology.

Communication Engineering Technology Certificate of Achievement

This certificate is designed to provide students with the fundamentals of electronics technology as it applies to communication engineering. The curriculum prepares students for entry-level positions in electronics communication maintenance, installation, field service, networking, and apprenticeship in the field of communication engineering technology.

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELECTR 220C	FCC Rules and Regulations	3
ELECTR 250C	Radio Transmitters, Receivers and Antennas	4
ELECTR 255C	Telephone and Data Networking	4
Total Units		**45**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.

b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex communications systems.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of electronic communications technology.

Computer Engineering Technology Associate of Science Degree

To graduate with a specialization in Computer Engineering Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELECTR 280C	Computer Operation and Maintenance	4
TECALC 087	Technical Calculations	4
Total Units		**38**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer a core curriculum to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex digital computer circuits.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of computer technology.

Computer Engineering Technology Certificate of Achievement

This certificate is designed to provide students with the fundamentals of electronics technology as it applies to computer engineering. The curriculum prepares students for entry-level positions in computer maintenance, installation, field service, networking, and apprenticeship in the field of computer engineering technology.

Code	Title	Units
Required Courses:		
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELECTR 280C	Computer Operation and Maintenance	4
TECALC 087	Technical Calculations	4
Total Units		**38**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
b. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex digital computer circuits.
c. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
d. Sit for industry/Federal-style examinations on the theory and procedures of computer technology.

Electric Power Technology Associate of Science Degree

To graduate with a specialization in Electric Power Technology, students must complete all requirements for the certificate with a grade of C or better

plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELEC 216C	Introduction to Industrial Electricity	4
ELEC 217C	Industrial Electricity	4
ELEC 218C	Controlling Industrial Electricity	4
Total Units		**46**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Prepare to transfer to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, diagram the information in the correct sections of the National Electrical Code and install electrical wiring and components.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of electronic technology.

Electric Power Technology Certificate of Achievement

This certificate is designed to provide students with the fundamentals of electronics technology as it applies to industrial electricity. The curriculum prepares students for entry-level positions in electrical maintenance, installation, field service, networking, and apprenticeship in the field of electric power technology.

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELEC 216C	Introduction to Industrial Electricity	4
ELEC 217C	Industrial Electricity	4
ELEC 218C	Controlling Industrial Electricity	4
Total Units		**46**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, diagram the information in the correct sections of the National Electrical Code and install electrical wiring and components.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of electronic technology.

Electronics Technology Associate of Science Degree

To graduate with a specialization in Electronics Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
Total Units		**34**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex digital circuits.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of electronic technology.

Electronics Technology Certificate of Achievement

This certificate is designed to provide students with the fundamentals of electronics technology. It also prepares students for entry-level positions in electronics maintenance, installation, field service, networking, and apprenticeship in the field of electronics technology.

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
Total Units		**34**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select. Students should have normal color vision, hand/eye coordination and the ability to lift over 50 pounds.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex digital circuits.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of electronic technology.

General Electrician Certificate of Achievement

This certificate will allow an "Electrician Trainee" to sit for the California State General Electrician Certification examination. These courses also satisfy the continuing education requirement every three years for certified electricians.

Code	Title	Units
Required Courses:		
OSHA 030	Federal OSHA Outreach: Construction Industry Safety	2
ELEC 216C	Introduction to Industrial Electricity	4
ELEC 217C	Industrial Electricity	4
ELEC 218C	Controlling Industrial Electricity	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3

ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
INSPEC 014	Advanced Construction Inspection: National Electrical Code (NEC)	3
KIN 231	First Aid and CPR	3
TECALC 087	Technical Calculations	4
INSPEC 029	Community Relations for Building Personnel	3
Total Units		**46**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be eligible to sit for California State General Electrician Certification examination on the theory and procedures of electrical technology.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Select the proper section of the National Electrical Code and electrical blueprints, to properly inspect, and estimate the costs associated with for residential and commercial wiring.
d. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex digital circuits.
e. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.

Green Technician Certificate of Career Preparation

This program is designed to provide students with fundamentals of renewable energy systems and related sustainability concepts that will prepare them for entry level jobs. DC and AC electrical theory, solar power systems design, installation and maintenance issues, along with OSHA construction safety are covered.

Code	Title	Units
Required Courses:		
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELEC 091	Fundamentals of Solar Energy	3
OSHA 030	Federal OSHA Outreach: Construction Industry Safety	2
Total Units		**13**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Sit for industry/Federal-style examinations on the theory and procedures of Solar Technology, such as NABCEP.
b. Use quantitative measurement of electrical circuit parameters utilized in Solar photovoltaic systems design and implementation; assemble and test, both direct current (DC), and alternating current (AC), series, parallel, and combination series parallel circuits.
c. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the design and installation of Solar systems based on field parameters.
d. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
e. Analyze, interpret, and blueprints and diagrams used in the Solar system installation field.

Industrial Automation Certificate of Achievement

Students will be prepared for high paying careers in the many existing and future automated manufacturing plants, smart warehouses, and high technology distribution and material handling centers, usually located near major railroad hubs, airports, and interstate freeways. Nearly every product in the supply chain is processed through a complex network of automated material handling, transportation, and logistics centers. This certificate program focuses on the electronic technology, including the Mechatronics responsible for monitoring, controlling, and actuating automated processes involved with all phases of material processing, packaging, and handling systems. Students will be equipped with technical information on mechanical, electrical, analog and digital electronics, Programmable Logic Controllers (PLCs), Programmable Automation Controllers (PACs), Supervisory Control and Data Acquisition (SCADA) systems, fluid power systems, computer hardware and software, networking, interfacing, robotics, sensors and actuators typically used in automated equipment.

Code	Title	Units
Required Courses:		
OSHA 035	Federal OSHA Outreach: General Industry Safety	2
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELEC 101	Supply Chain Technology	3
ELEC 215C	Electrical Control of Hydraulic-Pheumatic Systems	4
ELEC 217C	Industrial Electricity	4
ELEC 218C	Controlling Industrial Electricity	4
ELEC 219C	Industrial Electronic Systems Controls II	4
ELECTR 265	Digital Logic Design	4
Total Units		**33**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create Radio Frequency identification (RFID) and optical bar-code reading and communication systems.
b. Use PLCs, VFDs, and HMIs in the design, configuration and control of conveyor belt systems for the supply chain industry.
c. Compose written documents on occupation safety and health in general industry, demonstrating a high level of competency.
d. Use quantitative measurement of electrical circuit parameters; assemble and test, both direct current (DC), and alternating current (AC), series, parallel, and combination series parallel circuits.
e. Deliver formal presentations as required by technicians working the field of supply chain technology, on a variety of subjects, to a wide range of audiences.

Smart Systems Automation Technology Certificate of Completion

This noncredit certificate is designed to provide students with the fundamentals of smart devices as they apply to smart systems automation technology. The curriculum prepares students for entry-level positions in computer networking, security and surveillance, audio-video entertainment systems, and environmental controls.

Code	Title	Units
Required Courses:		
ELECTR 620	Introduction to Computer Networking	0
ELECTR 621	Security, Alarm, and Surveillance Systems	0
ELECTR 622	Smart Environmental Controls	0
ELECTR 623	Audio-Visual Entertainment Systems	0
Total Hours		**384-432**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Select and operate electronic test equipment during troubleshooting and repair operations, with emphasis on safety in use and accuracy in results.
b. Analyze, interpret, and trace wiring or schematic diagrams used in installing and troubleshooting smart devices connected to the Internet of Things (IoT).
c. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
d. Sit for industry/federal-style examinations on the theory and procedures of smart systems automation technology.

Zero Net Energy Certificate of Achievement

The Zero Net Energy (ZNE) Certificate is designed to offer the students a broad overview into the energy conservation industry and includes cross-disciplinary courses in Energy Systems, Heating Ventilation and Air Conditioning, Architecture, Computer Information Systems, and Building Inspection Technology. Completion of the ZNE Certificate is especially beneficial for support staff currently working in the energy sector, such as an Energy Auditor, Energy Consultant, ZNE Technician, Green HVAC Technician, Facility Management, Construction Management and Solar Residential Technician.

Code	Title	Units
Required Courses:		
CIT 101	Introduction to Computer Literacy	3
ELEC 050	Zero Net Energy Building Science	4
ELEC 021	Blueprint Reading for Building Energy Systems	3
INSPEC 017	California State Energy Regulations for Residential Buildings	3
TECALC 087	Technical Calculations	4
WKEXP 099	General Work Experience	0.5-4
Total Units		**17.5-21**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply critical thinking skills to execute daily duties in their area of employment.
b. Display the skills and aptitude necessary to pass (Industry Recognized Credentials) certification exams in their field.
c. Exhibit effective written, oral communication and interpersonal skills.

Engineering

Engineers are employed in research, development, design, construction, manufacturing, and operations of technical projects related to almost all aspects of modern life, including the environment, communications, transportation, food production, medicine and health, space exploration, housing and energy. Students planning to transfer to a four-year university and major in Engineering should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chair: Anna Tolstova (atolstov@sbccd.edu), M.S.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

ENGR 100 1 Unit
Engineering Career Exploration
Lecture: 18 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course introduces students to the major fields of specialization within engineering and engineering technology professions. This course gives students a broad understanding of various career opportunities and the specialized demands and rewards of each field.
Associate Degree Applicable
Transfers to both UC/CSU

ENGR 265 3 Units
Engineering Mechanics - Statics
Lecture: 54 contact hours
Prerequisite: PHYSIC 202
This is a foundation course in many branches of engineering. Some of the topics covered are two and three dimensional equilibrium of particles and rigid bodies, analysis of frames, machines, trusses, non-coplanar force systems, and the principles of friction.
Associate Degree Applicable
Transfers to both UC/CSU

English

The English Department offers courses in composition, literature, journalism, creative writing, and English as a second language. These courses are designed to help students develop skills in reading perceptively, thinking critically, and writing effectively. The Writing Center, located in The Village, Building 3, offers supplemental support to assist students in developing these skills. In order to be placed into the proper level of composition class, all new students are required to complete a guided self-placement and meet with a counselor prior to enrollment. The guided self-placement assists students by helping them to identify their skill level in English, develop an educational plan, and choose appropriate classes. Students planning to transfer to a four-year institution and major in English should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Arts and Humanities (NH - 223)

Division Phone Number: (909) 384-8633

Division Dean: Nori Sogomonian (nsogomon@sbccd.edu), Ed.D.

Faculty Chair: Daihim Fozouni (dfozouni@sbccd.edu), M.A.

Counselor Liaisons:

- Tahirah (Ty) Simpson (tsimpson@sbccd.edu), M.S.Ed., PPS
- Michelle Tinoco (mtinoco@sbccd.edu), M.A.

Recommended Placement for English

High School Performance Metric for English	Recommended Placement for English
H.S. G.P.A. ≥ 2.6 Self-reported high school G.P.A.	Transfer-Level English Composition No additional academic or concurrent support required.
H.S. G.P.A. 1.9 - 2.6 Self-reported high school G.P.A.	Transfer-Level English Composition Additional academic concurrent support ENGL 686 is required.
H.S. G.P.A. < 1.9 Self-reported high school G.P.A.	Transfer-Level English Composition Additional academic concurrent support ENGL 687 is required.

Advanced English Courses

Code	Title	Units
ENGL C1001	Critical Thinking and Writing	4
ENGL C1001H	Critical Thinking and Writing - Honors	4
ENGL 122	Journalism Production: Introduction	3
ENGL 123	Journalism Production: Intermediate	3
ENGL 125	Literary Magazine Production	3
ENGL 140	Exploring the World of Science Fiction	3
ENGL 141	Mystery and Detective Fiction	3
ENGL 153	Literature and Film	3
ENGL 161	Women Writers	3
ENGL 163	Chicana/o Literature	3

ENGL 165	African-American Literature	3
ENGL 175	The Literature and Religion of the Bible	3
ENGL 232	Creative Writing	3
ENGL 260	American Literature to 1865	3
ENGL 260H	American Literature to 1865 - Honors	3
ENGL 261	American Literature from 1865 to Present	3
ENGL 270	English Literature: Middle Ages to 18th Century	3
ENGL 270H	English Literature: Middle Ages to 18th Century - Honors	3
ENGL 271	English Literature: Late 18th Century to Present	3
ENGL 271H	English Literature: Late 18th Century to Present - Honors	3

- English Associate in Arts for Transfer Degree

ENGL C1000 4 Units
Academic Reading and Writing
Lecture: 72 contact hours
Prerequisite: Placement as determined by the college's multiple measures assessment process.
In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 100

ENGL C1000H 4 Units
Academic Reading and Writing - Honors
Lecture: 72 contact hours
Prerequisite: Placement as determined by the college's multiple measures assessment process.
In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This is an honors course.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 100

ENGL C1001 4 Units
Critical Thinking and Writing
Lecture: 72 contact hours
Prerequisite: College-level composition (ENGL C1000/C-ID ENGL 100) or equivalent.
In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 105

ENGL C1001H 4 Units
Critical Thinking and Writing - Honors
Lecture: 72 contact hours
Prerequisite: College-level composition (ENGL C1000/C-ID ENGL 100) or equivalent.
In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. This is an honors course.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 105

ENGL C1002 3 Units
Introduction to Literature
Lecture: 54 contact hours
Prerequisite: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.
In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature. (Formerly ENGL 151)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 120

ENGL C1002H 3 Units
Introduction to Literature - Honors
Lecture: 54 contact hours
Prerequisite: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.
In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature. This is an honors course. (Formerly ENGL 151H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 120

ENGL 015 4 Units
Preparation for College Writing
Lecture: 72 contact hours
This is a writing course designed to prepare students for writing at the college level. The primary focus is on the development of the paragraph and short essay. The course includes a review of grammar, sentence structure, and punctuation.

ENGL 086 1 Unit
Strategies for College Composition
Lecture: 18 contact hours
Corequisite: ENGL C1000|Placement may be required for this course.
This course provides support for English 101, including strategies for college level reading, writing and critical thinking. This course is taken as pass/no pass only.
Associate Degree Applicable

ENGL 087 2 Units
Fundamentals for College Composition
Lecture: 36 contact hours
Corequisite: ENGL C1000|Placement may be required for this course.
This course provides intensive support for English 101, including fundamentals for successful college level reading, writing and critical thinking. This course is offered as pass/no pass only.
Associate Degree Applicable

ENGL 122 3 Units
Journalism Production: Introduction
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course provides an introduction to gathering, synthesizing/organizing and writing news in journalistic style across multiple platforms resulting in the production of the campus student news magazine. Topics include the role of the journalist and related legal, ethical issues, social and cultural issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other campus events, writing under deadline, and use of AP Style.
Associate Degree Applicable
Transfers to CSU only
C-ID: JOUR 130

ENGL 123 3 Units
Journalism Production: Intermediate
Lecture: 54 contact hours
Prerequisite: ENGL 122
This course provides further instruction on gathering, synthesizing/organizing and writing news in journalistic style across multiple platforms resulting in the production of the campus newspaper as well as development of editorial leadership skills. Topics include the role of the journalist and related legal, ethical, social and cultural issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other campus events, writing under deadline, and use of AP Style.
Associate Degree Applicable
Transfers to CSU only

ENGL 125 3 Units
Literary Magazine Production
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course covers the theory and practice of producing a literary magazine including instruction on all relevant aspects of editing, design and layout. Students in this class are responsible for production of the college literary magazine.
Associate Degree Applicable
Transfers to CSU only

ENGL 140 3 Units
Exploring the World of Science Fiction
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a survey of science fiction genre from the late 19th Century to the present. Students read, analyze, and discuss major themes, genres (short story, novels, drama, and poetry), media (radio, film, tv, internet) written by diverse authors. Student explore the function of science fiction as a literary form that reflects human concern for solving or escaping problems in an increasingly technological culture and age.
Associate Degree Applicable
Transfers to both UC/CSU

ENGL 141 3 Units
Mystery and Detective Fiction
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course will introduce the student to mystery and detective fiction as a literary genre and as popular literature, exploring literary elements such as plot, sub-plot, suspense, setting, back story, procedural clues, hook, twist, ethical concerns of investigative methods, and civic life. Discussions of various styles and themes will engage students in critical thinking applied to historical era, multicultural contexts, and gender roles in mystery writing.
Associate Degree Applicable
Transfers to both UC/CSU

ENGL 153 3 Units
Literature and Film
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course studies literature that has been adapted into film. Students will read short stories, novels, and plays; view the film(s) adapted from each literary work; and write critical and analytic essays about the literature, the films, and their interplay.
Associate Degree Applicable
Transfers to both UC/CSU

ENGL 161 3 Units
Women Writers
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a survey of poetry and prose written by diverse women writers that explores the social, cultural, historical and contemporary issues that impact women's lives.
Associate Degree Applicable
Transfers to both UC/CSU

ENGL 163 3 Units
Chicana/o Literature
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a survey of Chicana/o literature, including novels, drama, poetry, and essays. The course explores concepts of Chicana/o identity, race and racism, and how these themes characterize Chicana/o culture and literary expression. It also examines important social, cultural, and political movements that have influenced and continue to shape the Chicana/o community. (This course is also offered as ETHS 163)
Associate Degree Applicable
Transfers to both UC/CSU

ENGL 165 3 Units
African-American Literature
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a comprehensive examination of African American literature, including prose, poetry, and fiction, from the early oral tradition to present. The course also explores concepts of race, racism, and ethnicity that are manifest in African American literature, and will examine identity as it relates to finding national identity, losing a given, forced identity and acceptance of identity that is foreign to personal history. (This course is also offered as ETHS 165)
Associate Degree Applicable
Transfers to both UC/CSU

ENGL 175 3 Units
The Literature and Religion of the Bible
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course covers The English Bible as literature and as religion including an examination of the types of literature found in the Bible, the historical and religious context in which the literature was developed and an extensive reading of the two testaments. This course is also offered as RELIG 175.
Associate Degree Applicable
Transfers to both UC/CSU

ENGL 224 1 Unit
Independent Study in English: Production
DIR: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
Students with previous course work in English may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of the production of work in print or other text-based media. This independent study would be appropriate for students wanting further work and practice in print publication (print newspaper, magazine or journal production, etc.) or publication for the web (web-based magazine, newspaper, or journal). Prior to registration, a written contract must be prepared jointly by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

ENGL 232 3 Units
Creative Writing
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This is an introductory course in creative writing, with an emphasis in poetry and fiction. Students will learn and practice creative writing by producing their own work in the genres studied, studying and analyzing the work of established and peer writers, and participating in the workshop method.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 200

ENGL 260 3 Units
American Literature to 1865
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This survey course introduces students to the multi-cultural literary traditions of America, from Iroquois, Navajo and other nations' origin stories to conquest, colonial, revolutionary, slavery, abolitionist, and Civil War writings, up through 1865.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 130

ENGL 260H 3 Units
American Literature to 1865 - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This survey course introduces students to the multi-cultural literary traditions of America, from Iroquois, Navajo and other nations' origin stories to conquest, colonial, revolutionary, slavery, abolitionist, and Civil War writings, up through 1865. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 130

ENGL 261 3 Units
American Literature from 1865 to Present
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course introduces students to American multicultural literary traditions from 1865 to the present, with an emphasis on the political and social contexts within which American literary movements emerged.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 135

ENGL 270 3 Units
English Literature: Middle Ages to 18th Century
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course surveys English literature to the last quarter of the 18th Century including coverage of all significant literary types in the development of English literature from the Middle Ages to the late 18th century.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 160

ENGL 270H 3 Units
English Literature: Middle Ages to 18th Century - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course surveys English literature to the last quarter of the 18th Century including coverage of all significant literary types in the development of English literature from the Middle Ages to the late 18th century. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 160

ENGL 271 3 Units
English Literature: Late 18th Century to Present
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course surveys diverse voices in English literature from the late 18th Century to the present, including coverage of all significant literary types, ranging from essay and personal narrative to poetry, the short story, the novel, and drama.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 165

ENGL 271H 3 Units
English Literature: Late 18th Century to Present - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course surveys diverse voices in English literature from the late 18th Century to the present, including coverage of all significant literary types, ranging from essay and personal narrative to poetry, the short story, the novel, and drama. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENGL 165

ENGL 300 4 Units
Advanced Writing and Critical Thinking in the Industry Disciplines
Lecture: 72 contact hours
Prerequisite: Admission to a SBVC baccalaureate program and ENGL C1000 or ENGL C1000H
Limitation on Enrollment: Enrollment in this course is limited to the students in specific bachelor's program(s) offered at SBVC.
This upper division course builds on the critical thinking and writing skills developed at the lower division level to equip future professionals and leaders in industry sectors with essential skills in written communication and critical thinking. This course further prepares students in the application of logical reasoning, analysis, and strategies of argumentation in both written and oral communication of content specific information; emphasizing clarity and audience awareness, students will master various document types, including technical reports, feasibility studies, and public communications. Through critical analysis of industry related scholarly and professional readings, as well as complex writing assignments, students will develop writing as a core aspect of leadership and academic and professional practice.
Associate Degree Applicable
Transfers to CSU only

ENGL 611 Noncredit
Basic Grammar and Usage Review
Lecture: 18 contact hours
This noncredit course covers a review of basic English grammar and common errors in grammar and usage.

ENGL 615 Noncredit
Preparation for College Writing
Lecture: 72 contact hours
This is a noncredit writing course designed to prepare students for writing at the college level. The primary focus is on the development of the paragraph and short essay. The course includes a review of grammar, sentence structure, and punctuation.

ENGL 686 Noncredit
Strategies for College Composition
Lecture: 18 contact hours
Corequisite: ENGL C1000|Placement may be required for this course.
This noncredit course provides support for English C1000, including strategies for college level reading, writing and critical thinking. Multicultural readings and writing assignments will help to connect students to their own lived experiences. This course is taken as pass/no pass only.

ENGL 687 Noncredit
Fundamentals for College Composition
Lecture: 36 contact hours
Corequisite: ENGL C1000|Placement may be required for this course.
This noncredit course provides intensive support for English C1000, including fundamentals for successful college level reading, writing and critical thinking. Reading and writing assignments will focus on students' lived experiences as they connect to the course content. This course is offered as pass/no pass only.

English Associate in Arts for Transfer Degree

English is the study and production of writing in English, especially literature. The elements and structures of fiction, poetry, drama and the essay are studied. The ethnic, cultural, social, economic and historical foundations of literary works are analyzed as well as their influences on the creation and reception of those works. Finally, there is a strong emphasis in writing for a variety of purposes, audiences, and effects. The study of English prepares a student for further study in Literature, Creative Writing, Journalism and other closely related fields. In addition, the skills and abilities cultivated by the study of English are excellent preparation for any field which requires wide literacy and solid writing ability, including teaching/education, advertising, law, public relations, and work in the media.

The Associate in Arts for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this English AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in English should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses: (7 Units)		
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001H	Critical Thinking and Writing - Honors	
ENGL C1002	Introduction to Literature	3
or ENGL C1002H	Introduction to Literature - Honors	
List A - Two of the following:		**6**
ENGL 260	American Literature to 1865	3
or ENGL 260H	American Literature to 1865 - Honors	
ENGL 261	American Literature from 1865 to Present	3
ENGL 270	English Literature: Middle Ages to 18th Century [1]	3
or ENGL 270H	English Literature: Middle Ages to 18th Century - Honors	
ENGL 271	English Literature: Late 18th Century to Present [1]	3

or ENGL 271H	English Literature: Late 18th Century to Present - Honors	
List B - One of the following (or any course from List A or B not already used):		
ENGL 163	Chicana/o Literature	3
or ETHS 163	Chicana/o Literature	
ENGL 165	African-American Literature	3
or ETHS 165	African-American Literature	
ENGL 232	Creative Writing	3
List C - One of the following (or any course not already used from List A or B):		
ANTH 125	Language and Culture	3
ENGL 122	Journalism Production: Introduction	3
ENGL 123	Journalism Production: Intermediate	3
ENGL 125	Literary Magazine Production	3
ENGL 140	Exploring the World of Science Fiction	3
ENGL 141	Mystery and Detective Fiction	3
ENGL 153	Literature and Film	3
ENGL 161	Women Writers	3
ENGL 175	The Literature and Religion of the Bible	3
or RELIG 175	The Literature and Religion of the Bible	

[1] The ENGL 270/ENGL 271 sequence is required by CSU San Bernardino for those transferring as English majors.

Code	Title	Units
Major Total		**19**
Total Double-Counted Units		**12**
General Education (Cal-GETC) Units		**34**
Elective Units		**19**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Write clear, organized, well-supported prose for a number of purposes and audiences, including research essays that demonstrate mastery of the conventions of MLA citation format.
b. Identify the elements of fiction, poetry, drama and the essay analyze and evaluate their employment in a wide range of literary works.
c. Appreciate the ethnic, cultural, social economic and historical foundation of literary works and understand and evaluate their influences on the writing and reception of those works.

English as a Second Language (ESL)

Courses in English as a second language are designed for individuals learning English as a foreign language. The various courses cover writing, conversation, pronunciation, reading and vocabulary development in the English language.

San Bernardino Valley College uses a self-guided assessment tool to help them to determine the class that is best suited to develop their skills in ESL 601 to 604 and a state approved assessment tool to place them in the composition focused classes ESL 630/930 to 641/941. Please contact a counselor for additional information.

Contact Information:

Division: Arts and Humanities (NH - 223)

Division Phone Number: (909) 384-8633

Division Dean: Nori Sogomonian (nsogomon@sbccd.edu), Ed.D.

Faculty Chair: Daihim Fozouni (dfozouni@sbccd.edu), M.A.

Counselor Liaisons:

- Tahirah (Ty) Simpson (tsimpson@sbccd.edu), M.S.Ed., PPS
- Michelle Tinoco (mtinoco@sbccd.edu), M.A.

ESL Department Contact Information:

- Location: The Village Building 2B (https://www.valleycollege.edu/village/)
- Phone Number: (909) 384-4418 or (909) 387-1644
- Email (SBVCESL@sbccd.edu)

- ESL Integrated Skills - Beginning Certificate of Competency

ESL 601 Noncredit
ESL Integrated Skills - Introduction to Basic English Literacy
Lecture: 72 contact hours
This noncredit course is designed to introduce low-beginning English language learners to basic English letter-sound correspondence, vocabulary, and sentence patterns. Students will start using English to speak about themselves, their families, and their community. In addition, students will learn to read and complete simple forms. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 602 Noncredit
ESL Integrated Skills - English for Home and School
Lecture: 72 contact hours
Departmental Recommendation: ESL 601 or eligibility as determined by the SBVC assessment process or by advisement.
This noncredit course is designed to prepare low-beginning English language learners with vocabulary and sentence structure to communicate in social and academic settings. Students will learn to give and respond to directions, as well as to speak about home, classroom routines, and community life by using a variety of sentence patterns. In addition, students will learn basic note-taking skills. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 603 Noncredit
ESL Integrated Skills - English for Work and Leisure
Lecture: 72 contact hours
Departmental Recommendation: ESL 602 or eligibility as determined by the SBVC assessment process or by advisement.
This noncredit course is designed to prepare intermediate-beginning English language learners to use a variety of English structures and vocabulary for work and leisure. Students will learn appropriate linguistic behaviors with regards to the setting and time of the occasion being discussed. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 604 Noncredit
ESL Integrated Skills - English for Work and Education
Lecture: 72 contact hours
Departmental Recommendation: ESL 603 or eligibility as determined by the SBVC assessment process or by advisement.
This noncredit course is designed to prepare high-beginning English language learners to use Standard English for job interviews, and in conversations at work and in educational settings. Students will begin learning aspects of composition. In addition, students will learn effective note-taking skills. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 607 Noncredit
Basic Conversational English
Lecture: 54 contact hours
This noncredit course is designed to increase the skills of English language learners in basic conversation, listening and pronunciation of the English language. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 610 Noncredit
Workforce Preparation for English Language Learners - Language and Customs of the American Workplace
Lecture: 54 contact hours
This noncredit course is designed to introduce English language learners to the customs and practices of the American workplace through workplace vocabulary and the development of communication skills. In addition, students will be introduced to specific workplace challenges and learn specific ways to understand and respond to directions, understand employee/employer expectations, and develop conversation skills within those contexts. Students will evaluate their cultural workplace customs and how they relate to American expectations. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 611 Noncredit
Workforce Preparation for English Language Learners - Applying for Employment
Lecture: 54 contact hours
Departmental Recommendation: ESL 631 or ESL 931
This noncredit course is designed to provide English language learners with the interpretive skills they will need to seek out and apply for employment. Students will learn how to interpret language posted on job announcements, resumes and cover letters, and the job application. In addition, students will strengthen oral communication skills needed for the job interview. Furthermore, students will be introduced to diverse career paths and educational goals. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 612 Noncredit
Workforce Language Preparation for Entry Level Positions in the Food Service Industry
Lecture: 54 contact hours
Departmental Recommendation: ESL 631 or ESL 931
This noncredit course is designed to help English language learners to gain the English language skills that they will use in entry level positions in the food service industry. Students will learn how to communicate in speaking, and they will learn skills to improve their listening comprehension, reading abilities, and basic writing skills for the food service workplace. Students will also become familiar with the American customs and professional expectations, types of language, and expressions to be able to converse with others in a variety of situations in the food service industry. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 613 Noncredit
Workforce Language Preparation for Entry Level Positions in the Retail Industry
Lecture: 54 contact hours
Departmental Recommendation: ESL 631 or ESL 931
This noncredit course is designed to help English language learners to gain the English language skills that they will use in entry level positions in the retail industry. Students will learn how to communicate in speaking, and they will learn skills to improve their listening comprehension, reading abilities, and basic writing skills for the retail workplace. Students will also become familiar with the American customs and professional expectations, types of language, and expressions to be able to converse with others in a variety of situations in the retail industry. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 620 Noncredit
English Pronunciation
Lecture: 54 contact hours
Departmental Recommendation: ESL 604
This noncredit course is designed to help English language learners to improve their pronunciation skills in English. The class will focus on Standard English pronunciation, word stress, intonation differentiation, and vocabulary building. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 630 Noncredit
Composition Based ESL Level 1 - Beginning
Lecture: 72 contact hours
Departmental Recommendation: ESL 604 or eligibility as determined by the SBVC assessment process.
This noncredit course is the first of a four-course sequence designed to give English language learners a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a study of grammar, punctuation and usage. The grammatical emphasis of this course will be on simple present and past tenses. It also has some emphasis on pronunciation, listening and speaking. This course is taught through total English immersion while acknowledging students' cultural experiences. This course may also be offered for credit as ESL 930.

ESL 631 Noncredit
Composition Based ESL Level 2 - Beginning
Lecture: 72 contact hours
Prerequisite: ESL 630 or ESL 930 or eligibility as determined by the SBVC assessment process.
This noncredit course is the second of a four-course sequence designed to give English language learners a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage. The grammatical emphasis of this course will be on present and past progressive tenses, and modal usage. It also has some emphasis on pronunciation, listening and speaking. This course is taught through total English immersion while acknowledging students' cultural experiences. This course may also be offered for credit as ESL 931.

ESL 640 Noncredit
Composition Based ESL Level 3 - Intermediate
Lecture: 72 contact hours
Prerequisite: ESL 631 or ESL 931 or eligibility as determined by the SBVC assessment process.
This noncredit course is the third of a four-course sequence designed to give English language learners a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage. The grammatical emphasis of this course will be on the present perfect, past perfect, and present perfect progressive tenses. This course is taught through total English immersion while acknowledging students' cultural experiences. This course may also be offered for credit as ESL 940.

ESL 641 Noncredit
Composition Based ESL Level 4 - Advanced
Lecture: 72 contact hours
Prerequisite: ESL 640 or ESL 940 or eligibility as determined by the SBVC assessment process.
This noncredit course is the last of a four-course sequence designed to give English language learners a comprehensive understanding of English composition. The focus of this course is on creating effective sentences, paragraphs and essays, including a review of grammar, punctuation and usage. This course is taught through total English immersion while acknowledging students' cultural experiences. This course may also be offered for credit as ESL 941.

ESL 930 4 Units
Composition Based ESL Level 1 - Beginning
Lecture: 72 contact hours
Departmental Recommendation: ESL 604 or eligibility as determined by the SBVC assessment process.
This is the first of a four-course sequence designed to give English language learners a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a study of grammar, punctuation and usage. The grammatical emphasis of this course will be on simple present and past tenses. It also has some emphasis on pronunciation, listening and speaking. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 931 4 Units
Composition Based ESL Level 2 - Beginning
Lecture: 72 contact hours
Prerequisite: ESL 930 or ESL 630 or eligibility as determined though the SBVC assessment process.
This is the second of a four-course sequence designed to give English language learners a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage. The grammatical emphasis of this course will be on present and past progressive tenses, and modal usage. It also has some emphasis on pronunciation, listening and speaking. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 940 4 Units
Composition Based ESL Level 3 - Intermediate
Lecture: 72 contact hours
Prerequisite: ESL 931 or ESL 631 or eligibility as determined through the SBVC assessment process.
This is the third of a four-course sequence designed to give English language learners a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage. The grammatical emphasis of this course will be on the present perfect, past perfect, and present perfect progressive tenses. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL 941 4 Units
Composition Based ESL Level 4 - Advanced
Lecture: 72 contact hours
Prerequisite: ESL 940 or ESL 640 or eligibility as determined through the SBVC assessment process.
This is the last of a four-course sequence designed to give English language learners a comprehensive understanding of English composition. The focus of this course is on creating effective sentences, paragraphs and essays, including a review of grammar, punctuation and usage. This course is taught through total English immersion while acknowledging students' cultural experiences.

ESL Integrated Skills - Beginning Certificate of Competency

This noncredit program is designed to prepare beginning English language learners with the fundamental speaking, listening, reading and writing skills of the English language. This program will also prepare students with the necessary skills to be successful in the composition-based ESL (English as a second language) courses.

Code	Title	Units
Required Courses:		
ESL 602	ESL Integrated Skills - English for Home and School	0
ESL 603	ESL Integrated Skills - English for Work and Leisure	0
ESL 604	ESL Integrated Skills - English for Work and Education	0
Total Hours		**192-216**

Code	Title	Units
Recommended Course:		
ESL 601	ESL Integrated Skills - Introduction to Basic English Literacy	0

Program Learning Outcome

At the completion of this program, students will be able to:

a. Develop and demonstrate a progressive cumulation of skills in reading, listening, speaking and writing in the English language in various real-world situations that are necessary to advance to the composition-based ESL courses.
b. Recognize and anticipate cultural bias through collaborative activities that foster English language acquisition.

Environmental Science

Awareness of the issues of environmental quality is increasingly important in business, industry, and government. The growing human population and increasing consumption of resources are creating unprecedented pressures on our planetary life support systems. Environmental science majors need to complete an interdisciplinary set of core requirements that provide a basic understanding of the physical, biological, and social sciences and the relevance of these sciences to environmental processes and issues.

In addition, the coursework will prepare students for related baccalaureate majors, including biology, chemistry, engineering, geography, geographic information systems (GIS), geology, mathematics, oceanography, and physics. For non-majors, the program's goal is to educate students to make better-informed choices about key environmental and health issues, as well as ancillary careers in public policy, environmental justice, and social justice.

The goals of the Environmental Science program are to:

a. Meet the needs of students who are majoring in one of the diverse fields encompassed by environmental science, and
b. Provide options for students fulfilling general education science requirements.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chairs: Todd Heibel (theibel@sbccd.edu), Ph.D. and Matthew Robles (mrobles@sbccd.edu), M.S.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Environmental Science Associate in Science for Transfer Degree
- Environmental Science Associate of Science Degree

ENVSCI 100 3 Units
Introduction to Environmental Science
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course is an introduction to environmental issues from a scientific perspective. It focuses on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, environmental racism and environmental justice, and the role of science in finding sustainable, culturally appropriate solutions.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: ENVS 100

Environmental Science Associate of Science Degree

The goals of the Environmental Science program are to: 1) meet the needs of students who are majoring in one of the diverse fields encompassed by environmental science, and 2) provide options for students fulfilling general education science requirements.

Awareness of the issues of environmental quality, environmental racism, and environmental justice are increasingly important in business, industry, and government. The growing human population and increasing consumption of resources are creating unprecedented pressures on our planetary life support systems. Within the human population, socioeconomically and politically disenfranchised communities oftentimes suffer the consequences of polluted environments when compared with more advantaged communities. This is one of the many aspects of structural racism. This degree helps students to understand how environmental racism, environmental justice, and multiculturalism are vital components of the environmental landscape.

Environmental Science Majors need to complete an interdisciplinary set of core requirements that provide a basic understanding of the physical, biological, and social sciences and the relevance of these sciences to environmental processes and issues. In addition, the coursework will prepare students for related baccalaureate majors, including biology, chemistry, engineering, geography, geographic information systems (GIS), geology, mathematics, oceanography, and physics. For non-majors, the program's goal is to educate students to make better-informed choices about key environmental, health, and justice issues.

Students planning to transfer to a four-year institution and major in Environmental Science should consult with a counselor regarding the transfer process and institution-specific lower-division requirements. In upper division and graduate studies, students majoring in environmental science usually specialize in areas such as environmental toxicology, public health, environmental law, education, environmental economics, soil and water science, restoration ecology, environmental landscaping, environmental management, urban planning, and related careers.

To graduate with a specialization in Environmental Science, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units).

Code	Title	Units
Required Courses:		
ENVSCI 100	Introduction to Environmental Science	3
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
or POLS C1000	American Government and Politics	
or POLS C1000H	American Government and Politics - Honors	
GEOG 110	Physical Geography	3
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
One of the following:		**1-3**
GEOG 111	Physical Geography Laboratory	1
or GEOG 111H	Physical Geography Laboratory - Honors	
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory	1
One of the following Physics course sequences:		**8-12**
PHYSIC 151 & PHYSIC 152	General Physics for the Life Sciences I and General Physics for the Life Sciences II	8
PHYSIC 202 & PHYSIC 203 & PHYSIC 204	Physics I and Physics II and Physics III	12
Two courses from the following:		**6-10**
BIOL 104	Human Ecology	3
BIOL 207	Evolutionary Ecology	4
CHEM 205	Quantitative Chemical Analysis	5
CHEM 212	Organic Chemistry I	5
CHEM 213	Organic Chemistry II	5
GEOG 130	Introduction to Geographic Information Systems (GIS)	3
or GIS 130	Introduction to Geographic Information Systems (GIS)	
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
MATH 266	Ordinary Differential Equations	4
Total Units		**50-63**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze the interaction between natural and social systems and subsequent impacts on sustainable development, environmental policies, environmental justice, and racial justice.
b. Synthesize the fundamentals of sociology, biology, chemistry, Earth sciences, mathematics, physics, and other social and natural sciences within a framework of human-environment interactions with an emphasis on racial equity and social justice.
c. Critically interpret and assess environmental news and trends, including green technologies and career opportunities, national and international environmental policies, resource exploitation and conservation, global climate change, sustainable development, and human health within the context of racial equity and social justice.

Environmental Science Associate in Science for Transfer Degree

The goals of the Environmental Science program are to: 1) meet the needs of students who are majoring in one of the diverse fields encompassed by environmental science, and 2) provide options for students fulfilling general education science requirements.

Awareness of the issues of environmental quality and environmental justice are increasingly important in business, industry, and government. The growing human population and increasing consumption of resources are creating unprecedented pressures on our planetary life support systems. Within the human population, socioeconomically and politically disenfranchised communities oftentimes suffer the consequences of polluted environments when compared with more advantaged communities. This uneven, inequitable environmental landscape is viewed through the lenses of environmental racism, environmental justice, and multiculturalism.

Environmental Science Majors need to complete an interdisciplinary set of core requirements that provide a basic understanding of the physical, biological, and social sciences and the relevance of these sciences to environmental processes and issues. In addition, the coursework will prepare students for related baccalaureate majors, including: biology, chemistry, engineering, geography (including emphasis in geographic information systems (GIS)), geology, mathematics, oceanography, and physics. For non-majors, the program's goal is to educate students to make better-informed choices about key environmental and health issues.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Environmental Science AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Environmental Science should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
BIOL 205	Cell and Molecular Biology	4
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
ENVSCI 100	Introduction to Environmental Science	3
One Course Sequence from the Following: (4 units)		
GEOL 101 & GEOL 111	Introduction to Physical Geology and Introduction to Physical Geology Laboratory	
GEOG 110 & GEOG 111	Physical Geography and Physical Geography Laboratory	
or GEOG 111	Physical Geography Laboratory - Honors	
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
or ECON 208	Business and Economic Statistics	
or PSYC 105	Statistics for the Behavioral Sciences	
MATH C2210	Calculus I: Early Transcendentals	4
or MATH 141	Business Calculus	
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
PHYSIC 202 & PHYSIC 203	Physics I and Physics II	8

Code	Title	Units
Major Total Units		**40**
Total Double-Counted Units		**13**
General Education (Cal-GETC) Units		**34**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze the interaction between natural and social systems and subsequent impacts on sustainable development, environmental policies, environmental justice, and racial justice.
b. Synthesize the fundamentals of sociology, biology, chemistry, Earth sciences, mathematics, physics, and other social and natural sciences within a framework of human-environment interactions with an emphasis on racial equity and social justice.
c. Critically interpret and assess environmental news and trends, including green technologies and career opportunities, national and international environmental policies, resource exploitation and conservation, global climate change, sustainable development, and human health within the context of racial equity and social justice.

Ethnic Studies

Ethnic Studies is an interdisciplinary exploration of race and ethnicity, focusing on the studies of African American, Asian American and Pacific Islander, Chicanx and Latinx, and Indigenous and Native American communities. Rooted in civil rights movements, it examines how race, ethnicity, class, gender, sexuality, and ability shape systemic inequities and social movements. Through theory and historical analysis, students cultivate critical perspectives to envision and strive for justice. Graduates serve communities through education, advocacy, law, policy, and more, fostering meaningful personal and collective transformation.

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Anthony Blacksher (ablacksher@sbccd.edu), Ph.D.

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- Social Justice Studies: Ethnic Studies Associate in Arts for Transfer Degree

The approved Ethnic Studies courses that meet the General Education requirement for the SBVC Associate Degree (Category VI), CSU GE-Breadth (Area F) and IGETC (Area 7) include the following:

Code	Title	Units
ETHS 100	Introduction to Ethnic Studies	3
ETHS 103	Ethnicity and Identity in Media	3
or FTVM 103	Ethnicity and Identity in Media	
ETHS 107	Native American Experiences in U.S. History	3
or HIST 107	Native American Experiences in U.S. History	
ETHS 107H	Native American Experiences in U.S. History - Honors	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
ETHS 108	Introduction to Native American Studies	3
or ANTH 108	Introduction to Native American Studies	
or ANTH 108H	Introduction to Native American Studies - Honors	
ETHS 141	Race and Ethnic Relations	3
or SOCI 141	Race and Ethnic Relations	
ETHS 141H	Race and Ethnic Relations - Honors	3
or SOCI 141H	Race and Ethnic Relations - Honors	
ETHS 163	Chicana/o Literature	3
or ENGL 163	Chicana/o Literature	
ETHS 165	African-American Literature	3
or ETHS 165	African-American Literature	

ETHS 100 3 Units
Introduction to Ethnic Studies
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This inter-disciplinary course explores the ways that ethnicity, race, and racism shape the experiences of people of color in the United States. Introduces students to both historical and current inequalities founded upon the social construction of race, class, and gender. Addresses how different means of resistance and social movements by various groups worked in the hopes of achieving social justice.
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 103 3 Units
Ethnicity and Identity in Media
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course explores the impact of identity on film as an art form and cultural artifact by confronting ideologies of race, class, gender, and sexual orientation as they are reflected in cinematic representation. American film is used as the primary lens through which to view how social, political, and cultural values have been formulated over the last century. Students analyze major films, figures, character types, and narrative strategies to evaluate the relationship between film and identity. (This course is also offered as FTVM 103)
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 104 3 Units
Latina/o/x Studies
Lecture: 54 contact hours
This course offers an overview of the experiences and contributions of Latina/o/x communities in the United States. Students will examine the impact of colonization, immigration, and forced displacement on these communities, as well as the formation of cultural identity and resistance movements. Throughout the course, students will analyze the intersections of race, ethnicity, class, gender, sexuality, and other forms of oppression that shape the experiences of Latino/a and Chicano/a communities. They will critically examine issues such as education, labor, health, immigration, and representation in media and politics.
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 105 3 Units
Introduction to Asian American Studies
Lecture: 54 contact hours
The course will cover the diverse histories and experiences of Asian Americans, including their migration patterns, experiences of discrimination, and contributions to American society. Students will learn about the social, political, and economic contexts that have shaped the experiences of Asian Americans in the United States, including colonialism, immigration policy, and racial and ethnic hierarchies. The course will also examine the intersections of race, gender, class, and sexuality in shaping the experiences of Asian Americans, as well as the cultural expressions of Asian American communities, including literature, film, music, and art. Throughout the course, students will engage in critical thinking and analysis of issues such as identity formation, community building, activism, and social justice.
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 106 3 Units
Introduction to Black Studies
Lecture: 54 contact hours
This course provides an overview of the interdisciplinary field of Black Studies, examining the experiences, cultures, histories, and contributions of people of African descent in the United States and worldwide. The course will explore key concepts, themes, and debates in Black Studies, including race, racism, colonialism, diaspora, identity, power, resistance, and social justice. Topics covered include the transatlantic slave trade, colonialism and decolonization, Pan-Africanism, Black Nationalism, Civil Rights and Black Power movements, African American literature and art, Hip Hop culture, and contemporary issues affecting people of African descent. Throughout the course, students will engage in critical thinking and analysis of issues such as identity formation, community building, activism, and social justice.
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 107 3 Units
Native American Experiences in U.S. History
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a history of Native Americans in the region of the current day United States from the time preceding European colonialism to the present. The course content will be presented from a Native American perspective, emphasizing colonialism, removal, assimilation, termination, and self determination. (This course is also offered as HIST 107)
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 107H 3 Units
Native American Experiences in U.S. History - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a history of Native Americans in the region of the current day United States from the time preceding European colonialism to the present. The course content will be presented from a Native American perspective, emphasizing colonialism, removal, assimilation, termination, and self determination. This course is intended for students in the Honors Program, but is open to all students who desire more challenging work. (This course is also offered as HIST 107H)
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 108 3 Units
Introduction to Native American Studies
Lecture: 54 contact hours
This course provides an introduction to the field of Native American Studies. It emphasizes the agency, struggles, and social justice efforts of Native Americans in the United States. Topics covered include Native cultural and intellectual traditions; racialization and intersectionality; antiracism and decolonization; and the relationship between Western scientific practices and Native American experiences. (This course is also offered as ANTH 108 or ANTH 108H)
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 109 3 Units
Introduction to Oceania and Pacific Islander Studies
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This interdisciplinary survey explores the lands, peoples, and knowledges of Oceania and Pacific Islander communities. Students examine early voyaging networks, colonial encounters, militarization and nuclear testing, migration and diaspora, Indigenous knowledge systems, language revitalization, cultural expression, and current struggles for sovereignty and climate justice. Emphasis is placed on Pacific Islander perspectives and relational worldviews, connecting classroom learning with community engaged practice.
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 141 3 Units
Race and Ethnic Relations
Lecture: 54 contact hours
This course is a sociological and interdisciplinary examination of racial and ethnic groups in American society. Topics include historical and contemporary events and practices that have institutionalized racism including the social struggles of the four racialized core groups, with a focus on introductory concepts of ethnic studies, intersectionality, and anti-racist approaches toward social justice and equity. (This course is also offered as SOCI 141)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 150

ETHS 141H 3 Units
Race and Ethnic Relations - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a sociological and interdisciplinary examination of racial and ethnic groups in American society. Topics include historical and contemporary events and practices that have institutionalized racism including the social struggles of the four racialized core groups, with a focus on introductory concepts of ethnic studies, intersectionality, and anti-racist approaches toward social justice and equity. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work. (This course is also offered as SOCI 141H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 150

ETHS 163 3 Units
Chicana/o Literature
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a survey of Chicana/o literature, including novels, drama, poetry, and essays. The course explores concepts of Chicana/o identity, race and racism, and how these themes characterize Chicana/o culture and literary expression. It also examines important social, cultural, and political movements that have influenced and continue to shape the Chicana/o community. (This course is also offered as ENGL 163)
Associate Degree Applicable
Transfers to both UC/CSU

ETHS 165 3 Units
African-American Literature
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a comprehensive examination of African American literature, including prose, poetry, and fiction, from the early oral tradition to present. The course also explores concepts of race, racism, and ethnicity that are manifest in African American literature, and will examine identity as it relates to finding national identity, losing a given, forced identity and acceptance of identity that is foreign to personal history. (This course is also offered as ENGL 165)
Associate Degree Applicable
Transfers to both UC/CSU

Social Justice Studies: Ethnic Studies Associate in Arts for Transfer Degree

The Associate in Arts for Transfer in Social Justice Studies: Ethnic Studies is a transfer degree that prepares students who are interested in pursuing a Bachelor's degree in Ethnic Studies. Students could move on to study majors that may include the following: African American Studies, American Indian Studies, Asian American Studies, Chicano/Chicana Studies, Ethnic Studies, and/or Latin American Studies. Ethnic Studies is an inter-disciplinary study that explores the ways that ethnicity, race, and racism shape the experiences of Black, Indigenous, and people of color in the United States. This discipline draws from the perspectives of other fields, such as Sociology, Anthropology, History, Education, Music, Art, and Literature to offer courses that present a diversity of topics.

This discipline celebrates the uniqueness of each experience, as well as addresses the larger power dynamic which has been maintained as a barrier to social change. These courses identify the "place" where various peoples have come from and the challenges they have faced when told to stay "in their place." By engaging in topics such as racism and racialization, heteronormativity, ethno-centrism, and white supremacy, students will develop critical thinking skills to challenge these issues in a diverse world. This degree is designed to inspire students to take an active role in bettering our community with the goal of social, economic, legal, and political equality.

Students with a degree in Ethnic Studies move on to become teachers, social workers, professors, lawyers, politicians, community organizers and activists, union organizers, public policy and health officials, and to become critical workers for non-profit and profit organizations.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Social Justice Studies: Ethnic Studies AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Social Justice Studies: Ethnic Studies should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses: (9 units)		
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
or SOCI 141	Race and Ethnic Relations	
or SOCI 141H	Race and Ethnic Relations - Honors	
HIST 185	Women in United States History	3
or SOCI 145	Sociology of Gender	
SOCI 120	Medical Sociology	3
List A - Three courses from at least two of the following areas:		
Note: only one course from Area 4 may be used.		
Area 1 - History or Government:		
ETHS 107	Native American Experiences in U.S. History	3
or ETHS 107H	Native American Experiences in U.S. History - Honors	
or HIST 107	Native American Experiences in U.S. History	
or HIST 107H	Native American Experiences in U.S. History - Honors	
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 150	Introduction to Latin American History	3
Area 2 - Arts and Humanities:		
ANTH 108	Introduction to Native American Studies	3
or ANTH 108H	Introduction to Native American Studies - Honors	
or ETHS 108	Introduction to Native American Studies	
ENGL 161	Women Writers	3
ENGL 163	Chicana/o Literature	3
or ETHS 163	Chicana/o Literature	
ENGL 165	African-American Literature	3
or ETHS 165	African-American Literature	
MUS 108	History of Hip Hop Music	3
Area 3 - Social Sciences:		
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
ANTH 125	Language and Culture	3
Area 4 - Quantitative Reasoning and Research Methods:		
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
or PSYC 105	Statistics for the Behavioral Sciences	
or PSYC 201	Research Methods for the Behavioral Sciences	
Area 5 - Major Preparation:		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	

Code	Title	Units
Major Total Units		**18-19**
Total Double-Counted Units		**12**
General Education (Cal-GETC) Units		**34**
Elective Units		**19-20**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Critically evaluate the impact of the intersectionality of race, ethnicity, class, gender, and sexuality in American society.
b. Analyze the impact that Eurocentrism, ethno-centrism, racialization, and white supremacy has had and continues to have on Native Americans, Asian Americans, African Americans, and Chicano/a and Latinx communities.
c. Assess the success and identify barriers to resistance movements, self-determination, and traditional cultural movements within non-white communities in the United States.
d. Develop strategies and employ plans for empowering people to pursue social justice for all groups that are unfairly oppressed in our current society.

Film, Television, and Media

The Film, Television, and Media Department at San Bernardino Valley College is a leading center for the study and practice of film, broadcasting, and streaming in the Inland Empire. Since 1963, the department has provided students with hands-on training in both traditional and emerging media, offering access to state-of-the-art facilities and industry-standard equipment. Students work with cinema style camera systems such as Arri, Canon, and Sony, multi-track field audio, and professional software such as Pro Tools and DaVinci Resolve. Through our partnership with KVCR, students train in a fully equipped television and radio studio, and we remain dedicated to teaching film on film with our 35mm and Super 16mm cameras.

The department offers four associate degrees in Film, Television, and Audio, as well as a transfer degree in Film, Media, and Electronic Arts. Students can also choose from a range of certificate programs and specialized non-credit courses in areas like Steadicam operation, Grip and Lighting, and Producing. These programs are designed to provide students with the skills and experience necessary to succeed in both academic and professional settings.

Through the Institute of Media Arts, students gain access to career development resources, including portfolio building, résumé writing, networking workshops, and internship opportunities with industry partners across Southern California. These partnerships provide both paid and unpaid internships, with KVCR serving as our most prominent on-campus partner.

Graduates of the program go on to pursue advanced degrees at top-tier institutions such as UCLA, UC Berkeley, USC, CSUN, Cal State Long Beach, and Cal State Los Angeles. Many also launch successful careers in the entertainment industry, securing positions with major companies such as Disney, The Food Network, PBS, Apple TV+, and Viacom. With a commitment to excellence in education, professional development, and industry collaboration, the Film, Television, and Media Department continues to prepare the next generation of filmmakers and media professionals.

Contact Information

Division: Arts and Humanities (NH - 223)

Division Phone Number: (909) 384-8633

Division Dean: Nori Sogomonian (nsogomon@sbccd.edu), Ed.D.

Faculty Chair: Lucas Cuny (lcuny@sbccd.edu), M.F.A.

Counselor Liaisons:

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- Michelle Tinoco (mtinoco@sbccd.edu), M.A.

- Audio Broadcasting Certificate of Achievement
- Audio Production Associate of Arts Degree
- Digital Marketing Certificate of Achievement
- Film Associate of Arts Degree
- Film, Television, and Electronic Media Associate in Science for Transfer Degree

- Historical Documentary Production Certificate of Achievement
- Media Development Certificate of Achievement
- Post-Production Certificate of Achievement
- Production Certificate of Achievement
- Social Media Production Certificate of Achievement
- Television Associate of Arts Degree
- Video Broadcasting Certificate of Achievement

FTVM 098 0.5-4 Units
Media Arts Work Experience
WRKEX: 216 contact hours
Prerequisite: FTVM 114 and FTVM 130
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.
Associate Degree Applicable

FTVM 101 3 Units
Introduction to Electronic Media
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course introduces the history, structure, function, economics, content, and evolution of cinema, broadcast, and emerging media, including traditional and mature formats. The social, political, regulatory, ethical, and occupational impact of electronic media are also studied.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 102 3 Units
Introduction to Film and Media Aesthetics
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course introduces the close analysis of film and television and examines the broad questions of form and content, aesthetics and meaning, and history and culture. The course also explores the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. The topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology and critical analysis.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 103 3 Units
Ethnicity and Identity in Media
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course explores the impact of identity on film as an art form and cultural artifact by confronting ideologies of race, class, gender, and sexual orientation as they are reflected in cinematic representation. American film is used as the primary lens through which to view how social, political, and cultural values have been formulated over the last century. Students analyze major films, figures, character types, and narrative strategies to evaluate the relationship between film and identity. (This course is also offered as ETHS 103)
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 104 3 Units
Women in Cinema
Lecture: 54 contact hours
This course offers a comprehensive exploration of the portrayal, influence, and representation of women in the realm of cinema. Through screenings, critical readings, and discussions, students will analyze the evolving roles of women both on and off the screen, spanning historical and contemporary contexts. From pioneering female filmmakers to iconic characters and shifting societal norms, students will examine how cinema reflects and shapes perceptions of gender, identity, and power dynamics. Through the lens of feminist film theory, students will critically engage with diverse cinematic works, exploring themes of agency, representation, and intersectionality. By the course's conclusion, students will gain a deeper understanding of the multifaceted contributions of women to the art of filmmaking and a heightened awareness of the ongoing challenges and opportunities for gender equity within the industry.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 110 3 Units
Audio Performance
Lecture: 36 contact hours
Lab: 54 contact hours
This course will give instruction and practice in performing and announcing. Topics include interpretation of copy, news casting, music continuity, interviewing, and the operation of audio equipment while performing. Students will practice commercial material and improvisational announcing.
Associate Degree Applicable
Transfers to CSU only

FTVM 111 3 Units
Studio Audio Production
Lecture: 36 contact hours
Lab: 54 contact hours
This course provides an introduction to the principles and techniques of audio production for podcasts, digital recording, and broadcasting. Students will explore sound design, microphone techniques, digital audio workstations (DAWs), and recording equipment while gaining hands-on experience in recording, editing, mixing, and mastering audio. Emphasis is placed on storytelling, creative sound application, and adherence to industry standards, including FCC regulations and copyright laws. By the end of the course, students will demonstrate proficiency in audio production workflows and apply these skills to create professional-quality projects.
Associate Degree Applicable
Transfers to CSU only

FTVM 112 3 Units
Film Audio Production
Lecture: 36 contact hours
Lab: 54 contact hours
This course provides comprehensive training in field audio production techniques for film and multimedia applications. Students will learn to record, edit, mix, and master audio for live events, dialogue, and sound effects in various media environments. Emphasis is placed on mastering digital audio workstations, troubleshooting technical challenges, and creating high-quality soundscapes that enhance storytelling and promote cultural inclusivity. By the end of the course, students will have practical experience with industry-standard tools and techniques essential for careers in entertainment, communications, and multimedia production.
Associate Degree Applicable
Transfers to CSU only

FTVM 114 3 Units
Editing I
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course focuses on the fundamental techniques, skills, and theories of editing as well as the technical requirements for assembling a digital video project. Through a series of hands-on projects, students will put traditional theories of picture and sound editing into practice. The course will also cover the history of nonlinear editing and provide an overview of the post-production process.
Associate Degree Applicable
Transfers to CSU only

FTVM 120 3 Units
Writing for Streaming and Broadcast
Lecture: 54 contact hours
In this media writing class students will learn a wide variety of writing formats that are used in streaming and broadcast platforms. These include documentaries, commercials, music video, news copy, and fiction. The class will focus on the dynamic needs of each and show students how to write binge worthy content. After completing the course, the students will not only end up with a great portfolio project but potential to produce the content.
Associate Degree Applicable
Transfers to CSU only

FTVM 121 3 Units
Writing for Cinema
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H and FTVM 120
In this screenwriting course students will learn the Hollywood standard when it comes to screen writing and story development. This includes 3 act structure, episodic, and the hero's journey. All of which are time tested paradigms, which drive the Hollywood film, broadcast, and streaming industries. Students leave this course with a strong portfolio of work in which they can shop around for representation or produce themselves.
Associate Degree Applicable
Transfers to CSU only

FTVM 122 3 Units
Acting and Directing for Television and Film
Lecture: 36 contact hours
Lab: 54 contact hours
In this course, students learn the foundations of both acting and directing for the screen. This course deals with the foundations of character development from an actor's perspective and how to achieve that performance on screen. Students also learn the basics of managing a set as a director and learning how to communicate goals with actors, blocking for a scene, and producing a scene.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 130 3 Units
TV Production I
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is designed for students who are interested in transforming a narrative concept into a practical production. By viewing, discussing, planning, and developing stories. Film, television, and media students will learn skills necessary to produce a film or video in a TV Studio and location environment. Topics include studio signal flow, directing, theory and operation of camera and audio equipment, switcher operation, fundamentals of lighting, graphics, video control and video recording and real-time video production.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 131 3 Units
Cinematography
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
In this hands-on course, students will delve into the art and craft of cinematography: the methods and techniques by which motion picture photography and lighting help give a film meaning and aesthetic purpose. Through lectures, demonstrations and exercises in a supervised classroom environment, students will learn to operate state-of-the-art digital and electronic equipment while applying the fundamental principles of lighting, composition, exposure, focus, lens selection, and camera dynamics into purposeful visual storytelling.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 132 3 Units
Film and Video Production I
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H and FTVM 130
Have you ever wondered how music videos and commercials are created? These productions use techniques of single camera operations. This course introduces the theories, terminologies, and operations of video production. The topics include composition, single-camera operation, portable field lighting, video recorder, audio recording and control, and editing. The aesthetic theories and fundamentals of scripting, producing, and directing for broadcast commercial or video to be used in other multimedia platforms. Students will plan and execute pre-production, production, and post-production working as a cohesive production crew.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 133 3 Units
Broadcast News
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
The Broadcast News course prepares students to work in the evolving media environment by introducing them to the theories, techniques, and skills used in standard and online newsrooms for news-related distribution, which includes both streaming and broadcast. The goal of the course is for students to develop the fundamental skills necessary to create journalistic content and distribute the content across integrated platforms in the format of a newscast or news report. The course provides students with learning the craft of multi-media news production and allows students to have student news stories to be broadcast on KVCR TV and streaming pathways through PBS.
Associate Degree Applicable
Transfers to CSU only

FTVM 134 3 Units
Sports Broadcasting
Lecture: 36 contact hours
Lab: 54 contact hours
This course teaches the fundamentals of Sports Broadcasting. Students will take the lead on writing and preparing broadcasts and building presentation/performance skills in the broadcast of local sports on for broadcast on both TV and radio on the campus broadcast station KVCR. The sports to be broadcast include local college, high school sports and specialized events known for the region. Students will also perform as sportscasters on news programs on KVCR. Students will interview local athletes, write and produce feature material for broadcast. The contributions of minorities and women in sports will be highlighted.
Associate Degree Applicable
Transfers to CSU only

FTVM 162 3 Units
Film Photography
Lecture: 36 contact hours
Lab: 54 contact hours
A foundational course in film photography that explores its resurgence as a trendy and impactful artistic medium and communication tool. Students will be introduced to the craft of shooting with 35mm film cameras, film processing, and darkroom printing. Emphasis is placed on the poetic, conceptual, and social dimensions of the medium, highlighting its renewed appeal in contemporary creative culture. Students will develop artistic concepts for film photography projects across various genres, embracing the timeless yet increasingly popular aesthetic of analog photography. Designed for beginners looking to engage with the medium in both a technical and expressive capacity.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 198 3 Units
Media Practicum
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: FTVM 114 and FTVM 130 or FTVM 132 or FTVM 133
This course includes practical experience in design/layout, visual, online, multimedia journalism, emerging technologies, and leadership/management. This intermediate student media practicum includes lab hours that regularly produce news, feature non-fiction product, or documentary with a journalism emphasis by and for students and distributed to a campus or community audience. Some assignments may include a variety of student media across multiple platforms, including print, broadcast, and online. Content must be student produced with student leadership emphasis.
Associate Degree Applicable
Transfers to CSU only

FTVM 213 3 Units
Radio and Podcast Operations
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: FTVM 110 or FTVM 111
Radio and Podcast Operations introduces students to the advanced techniques and workflows necessary to create professional-quality audio content across multiple formats. Students will engage in producing short- and long-form projects, including podcasts, promotional spots, features, music segments, and news reports. Emphasis is placed on project development, team collaboration, audio engineering, scriptwriting, and understanding audience demographics. Students will also explore the importance of representation and inclusivity in audio media. By the end of the course, students will be prepared to produce broadcast-ready content suitable for outlets such as KVCR, YouTube, and managed podcast platforms.
Associate Degree Applicable
Transfers to CSU only

FTVM 215 3 Units
Editing II
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: FTVM 114
Editing II builds upon foundational Editing I knowledge, guiding students toward advanced postproduction techniques in various projects. Students will refine their storytelling skills by integrating narrative structure, color correction, sound design, and finishing workflows into their editing process. Working with industry-standard software, they will learn to interpret production notes, maintain cultural sensitivity and accurate representation, and prepare content for various distribution platforms. This course may also be offered in hybrid or fully online formats, providing flexibility through distance education delivery methods.
Associate Degree Applicable
Transfers to CSU only

FTVM 216 3 Units
Color Correction for Film and Media
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: FTVM 114
One of the last and most crucial steps of post-production is color correction. This course will cover how color correction fits into the workflow of post-production, including discussion and exercises focused on professional level deliverables needed for a variety of cinematic and broadcast productions. This hands-on course will focus on the role of the Colorist, from a technical and aesthetic approach. Students will examine how color correction can be used to enhance visual storytelling, and the tools used to achieve such results. The course will also cover the role of the finishing editor in compiling deliverables, ranging from an online screener to a DCP (digital cinema package) used for auditorium projection.
Associate Degree Applicable
Transfers to both UC/CSU

FTVM 233 3 Units
TV Studio Production II
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: FTVM 130
This is an in-depth course that encourages collaboration between students, and provides them with powerful feedback from peers, faculty, and industry professionals. Students have access to a unique opportunity to create original programming in the KVCR Studio. Along with exploring advanced television production techniques and management, the course is an intensive session which provides our students with the chance to explore areas such as writing, lighting, set design, performance and show running. It's a great opportunity to add to their portfolio and showcase their talents.
Associate Degree Applicable
Transfers to CSU only

FTVM 234 3 Units
Film and Video Production II
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: FTVM 122 and FTVM 132
In this course, the techniques of digital short filmmaking and of critical appreciation, while emphasizing students' personal and creative expression. Topics will include the theory and practice of visualization, the grammar of cinematic storytelling, the aesthetics of various film movements, camera technique, lighting, sound recording, directing, and other fundamentals related to learning the craft of digital filmmaking. Students will work collaboratively to complete a short film by the end of the semester.
Associate Degree Applicable
Transfers to CSU only

FTVM 235 3 Units
Cinema Production
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: FTVM 131 and FTVM 122
This course focuses on techniques of cinema and motion picture production using theoretical and critical rubrics, allowing the student to gain proficiency in producing, directing, cinematography, production design, sound recording, grip/electric, and editing as applied in feature films and films made for television and Internet. Students will develop skills and work as a team while learning the roles and responsibilities of various facets of the filmmaking process during pre-production, production and post-production. Working with previously original scripts written by students, students learn skills that include the visualization of the screenplay, script breakdown, preparation of shot lists, direction of actors, and the staging of action for the camera.
Associate Degree Applicable
Transfers to CSU only

FTVM 601 Noncredit
Steadicam Operation
Lab: 18 contact hours
This noncredit course provides hands-on training in the art and technique of using a Steadicam, a specialized camera stabilization system widely employed in film and television production. Students will learn the foundational physics, balancing, and rig assembly essential to effective Steadicam work. Through practical exercises, they will develop the skills to navigate various shooting environments, craft dynamic camera moves, and create compelling shots that enhance narrative storytelling. Emphasis is placed on set safety, understanding industry terminology, and exploring diverse stylistic approaches.

FTVM 602 Noncredit
Producing 101
Lecture: 8 contact hours
Lab: 14 contact hours
In this noncredit course students will learn the multiple facets of creative producing for all levels of media, including streaming, cinema, and broadcast. Topics covered include story development, casting, scheduling with professional level scheduling software, pre-production planning, location scouting, production paperwork and forms, and understanding the day to day logistics of producing for broadcast and cinema.

FTVM 603 Noncredit
Film Cinematography
Lecture: 10 contact hours
Lab: 18 contact hours
In this noncredit course students are introduced to the fundamentals of shooting motion pictures on actual film stock. Developed in collaboration with Kodak Film, this noncredit course covers the mechanical operation of film cameras, understanding various film types, and exploring the distinct aesthetic qualities film provides over digital formats. Students will gain hands-on experience loading, operating, and maintaining film cameras, as well as developing an appreciation for film workflows, aspect ratios, lighting techniques, and the influence of underrepresented groups in the filmmaking industry. Students will also be exposed to film scanning and will have the opportunity to digitize their film.

FTVM 604 Noncredit
Grip and Lighting for Film and Media
Lecture: 18 contact hours
Lab: 54 contact hours
This hands-on, non-credit course provides an introduction to the essential skills and techniques of lighting and grip work in film and media production. Students will learn the fundamentals of setting up and manipulating lighting to create mood, tone, and visual style for a variety of projects. The course also covers grip techniques, including rigging, camera support, and safely handling equipment on set. Designed for beginners and those looking to enhance their technical skills, this course is ideal for students interested in behind-the-scenes roles in film, television, and digital media production.

FTVM 605 Noncredit
Motion Capture Basics
Lecture: 9 contact hours
Lab: 18 contact hours
This noncredit, introductory, hands-on workshop develops foundational skills in motion capture (MoCap) performance, technology, and workflow. Designed as an immersive, practice-based experience, the course introduces industry-standard MoCap systems, including marker setup, calibration, performance techniques, and the capture-to-post production pipeline. Students collaborate in a studio environment to gain experience in body capture, facial capture (as applicable), volume setup, directing talent, and basic data cleanup. The workshop emphasizes real-world production workflows, professional terminology, safety practices, and the expanding role of motion capture in film, television, animation, and game development.

Audio Broadcasting Certificate of Achievement

The Audio Broadcasting certificate equips students with essential skills and creative techniques for success in the competitive and evolving field of audio broadcasting, including over-the-air signals, podcasting, and over-the-top distribution channels. Course offerings provide a broad overview of the broadcasting industry and its interrelationships while developing specialized, job-ready skills, with an emphasis on creating content that reflects diverse perspectives, engages a wide range of audiences, and promotes responsible and ethical media practices.

Code	Title	Units
Required Courses:		
FTVM 110	Audio Performance	3
FTVM 111	Studio Audio Production	3
FTVM 112	Film Audio Production	3
FTVM 114	Editing I	3
FTVM 130	TV Production I	3
or FTVM 132	Film and Video Production I	
FTVM 213	Radio and Podcast Operations	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create a portfolio of work to demonstrate entry-level skills.
b. Write a resume for entry level employment in media, television, or film production.
c. Modify and edit film and media content for distribution.
d. Produce content to be streamed for podcasts or broadcast radio.
e. Qualify for entry-level work in media, television, or film production.

Audio Production Associate of Arts Degree

The Associate of Arts Degree in Audio Production is an immersive program that introduces students to the core functions of audio production. Students develop proficiency with industry-standard hardware and software while building both technical expertise and a distinct creative voice through focused work in sound design and audio production techniques.

Code	Title	Units
Required Courses:		
FTVM 130	TV Production I	3
FTVM 114	Editing I	3
FTVM 111	Studio Audio Production	3
FTVM 110	Audio Performance	3
Two courses from the following:		
FTVM 112	Film Audio Production	3
Four courses from the following:		
FTVM 213	Radio and Podcast Operations	3
THART 131	Sound for Stage and Screen	3
Work Experience - Complete a minimum of three units from the following:		
FTVM 098	Media Arts Work Experience	0.5-4
or FTVM 198	Media Practicum	
Electives - One course from the following:		
FTVM 233	TV Studio Production II	3
FTVM 215	Editing II	3
FTVM 104	Women in Cinema	3
FTVM 122	Acting and Directing for Television and Film	3
FTVM 132	Film and Video Production I	3
FTVM 133	Broadcast News	3
FTVM 134	Sports Broadcasting	3
Total Units		**24-25**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create a portfolio of work to demonstrate audio production skills.
b. Create an audio performance for a variety of situations ranging from broadcast to voice over production of film, television, and audio.
c. Write short news or informational scripts for broadcast.
d. Produce, engineer, and edit and short radio program.

Digital Marketing Certificate of Achievement

Our Digital Marketing Certificate program offers comprehensive training in the ever-evolving landscape of digital marketing, equipping participants with the essential skills and knowledge needed to excel in today's competitive online marketplace. Through a blend of theoretical insights and hands-on practical exercises, students delve into topics ranging from social media marketing and search engine optimization to content strategy and data analytics. Led by industry experts, this program provides a deep understanding of digital marketing tools and techniques, empowering participants to develop effective marketing strategies, drive online engagement, and achieve measurable results for businesses of all sizes. Whether you're a marketing professional seeking to enhance your skills or an aspiring digital marketer aiming to break into the field, our certificate program offers the perfect pathway to success in the dynamic world of digital marketing.

Code	Title	Units
Required Courses:		
FTVM 198	Media Practicum	3
FTVM 110	Audio Performance	3
FTVM 114	Editing I	3
ART 161	Digital Photography	3
COMM 136	Introduction to Public Relations	3
FTVM 132	Film and Video Production I	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate entry-level skills by creating an online portfolio of work.
b. Create short video content that meets the standards of broadcast and social media outlets.
c. Produce a package of video content for at least one project.
d. Attain qualifications for entry-level positions in public relations and internal communications where video production is necessary.

Film Associate of Arts Degree

The Associate of Arts Degree in Film offers students specified professional paths in direction, camera operation, post-production, and story development. The first half of the program provides an overview of all facets of filmmaking. During the student's last half of the program, they will specialize in the area of their choice. In all areas of specialization, students are exposed to a significant amount of practical work experience on film sets.

Code	Title	Units
Required Courses:		
FTVM 112	Film Audio Production	3
FTVM 114	Editing I	3
FTVM 131	Cinematography	3
or FTVM 132	Film and Video Production I	
FTVM 120	Writing for Streaming and Broadcast	3
or FTVM 121	Writing for Cinema	
Work Experience - Complete a minimum of three units from the following:		
FTVM 098	Media Arts Work Experience	0.5-4
or FTVM 198	Media Practicum	
One Pathway from the following:		
Directing Pathway - Take Three Courses:		
FTVM 122	Acting and Directing for Television and Film	3
FTVM 234	Film and Video Production II	3
FTVM 235	Cinema Production	3
THART 120	Acting Fundamentals I	3
FTVM 131	Cinematography	3
or FTVM 132	Film and Video Production I	
Story Development Pathway - Take Three Courses:		
THART 105	Script Analysis	3
FTVM 120	Writing for Streaming and Broadcast	3
or FTVM 121	Writing for Cinema	
FTVM 122	Acting and Directing for Television and Film	3
THART 166	Improvisational Acting	3
FTVM 110	Audio Performance	3
FTVM 111	Studio Audio Production	3
Post-Production Pathway - Take Three Courses:		
FTVM 111	Studio Audio Production	3
FTVM 215	Editing II	3
FTVM 216	Color Correction for Film and Media	3
ART 145	Introduction to Digital Applications for Graphic Design	3
ART 280	Beginning 3D Digital Animation and Visualization	3
Camera Operation Pathway - Take Three Courses:		
FTVM 131	Cinematography	3
FTVM 234	Film and Video Production II	3
FTVM 235	Cinema Production	3
FTVM 122	Acting and Directing for Television and Film	3
ART 161	Digital Photography	3
FTVM 162	Film Photography	3
Electives - Take two additional courses not previously completed:		
FTVM 110	Audio Performance	3
FTVM 120	Writing for Streaming and Broadcast	3
FTVM 122	Acting and Directing for Television and Film	3
FTVM 131	Cinematography	3
FTVM 215	Editing II	3
FTVM 216	Color Correction for Film and Media	3
FTVM 234	Film and Video Production II	3
FTVM 235	Cinema Production	3

THART 136	Introduction to Theatre Design	3
Total Units		**30-31**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate an understanding of the basics of film production.
b. Apply knowledge gained in courses to the development of a professional portfolio.
c. Show an aptitude in a specific area of the film industry, either direction, story development, post-production, or camera operation.
d. Demonstrate the skills associated with creative collaboration.

Film, Television, and Electronic Media Associate in Science for Transfer Degree

The Film, Television and Media department provides a comprehensive instructional program in radio and television broadcasting, digital film production, and digital audio and video production for use in broadcasting, cablecasting, multimedia, film production, and Internet applications.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Film, Television, and Electronic Media AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Film, Television, and Electronic Media should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
FTVM 101	Introduction to Electronic Media	3
or COMM 135	Mass Media and Society	
FTVM 120	Writing for Streaming and Broadcast	3
or FTVM 121	Writing for Cinema	
FTVM 102	Introduction to Film and Media Aesthetics	3
List A - One course from each area: (6 units total)		
Area 1: Audio		
FTVM 111	Studio Audio Production	3
FTVM 112	Film Audio Production	3
Area 2: Video or Film Production		
FTVM 130	TV Production I	3
FTVM 132	Film and Video Production I	3
FTVM 235	Cinema Production	3
List B - One course not already selected: (3 units)		
FTVM 114	**Editing I (List B - One course: (3 units))**	**3**
FTVM 131	Cinematography	3
FTVM 234	Film and Video Production II	3
List C - One course: (3 units)		
FTVM 103	Ethnicity and Identity in Media	3
or ETHS 103	Ethnicity and Identity in Media	
FTVM 104	Women in Cinema	3
FTVM 110	Audio Performance	3
FTVM 122	Acting and Directing for Television and Film	3
FTVM 133	Broadcast News	3
FTVM 134	Sports Broadcasting	3
FTVM 162	Film Photography	3
FTVM 198	Media Practicum	3
FTVM 213	Radio and Podcast Operations	3
FTVM 215	Editing II	3
FTVM 216	Color Correction for Film and Media	3
FTVM 233	TV Studio Production II	3
FTVM 234	Film and Video Production II	3
FTVM 235	Cinema Production	3

Code	Title	Units
Major Total Units		**18**
Total Double-Counted Units		**9**
General Education (Cal-GETC) Units		**34**
Elective Units		**17**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Explain the history of radio, television, or film.
b. Apply production principles to the basic operation of the audio console and radio station equipment.
c. Write a script with an appropriate story line or purpose.
d. Perform on camera or voice over.
e. Demonstrate technical ability of film and audio skills.

f. Demonstrate management skills.
g. Qualify for transfer to a four-year institution.

Historical Documentary Production Certificate of Achievement

This certificate prepares students for entry-level work in documentary film and news production with an emphasis on historical perspectives and how those relate to documentary filmmaking. Students will research topics pertaining to equity and inclusion and create documentary media content that can be aired on KVCR - TV (PBS).

Code	Title	Units
Required Courses:		
FTVM 114	Editing I	3
FTVM 130	TV Production I	3
or FTVM 132	Film and Video Production I	
FTVM 198	Media Practicum	3
Two Courses from the Following:		
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
or ETHS 107	Native American Experiences in U.S. History	
or ETHS 107H	Native American Experiences in U.S. History - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 142	Experiences of Asian Americans in U.S. History	3
Total Units		**15**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Present a clear synopsis of the history of film and media in correlation with historical research.
b. Apply historical knowledge about black, indigenous, people of color to story and production skills for documentary film making.
c. Write a script with an appropriate story line or purpose (e.g. interview script).
d. Create film and media content that highlights systemic racism in the culture and society.
e. Demonstrate technical ability.
f. Produce portfolio content that illustrates knowledge of non-fiction story telling.

Media Development Certificate of Achievement

This certificate is designed to prepare students for career paths in story development and production planning for film, tv, and media. The emphasis is in writing and production planning.

Code	Title	Units
Required Courses:		
FTVM 102	Introduction to Film and Media Aesthetics	3
FTVM 120	Writing for Streaming and Broadcast	3
FTVM 121	Writing for Cinema	3
FTVM 122	Acting and Directing for Television and Film	3
or FTVM 130	TV Production I	
Total Units		**12**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create an online portfolio of work to demonstrate entry-level skills.
b. Write a resume for entry level employment in media, television, or film development.
c. Write scripts for all forms of media content.
d. Produce a concept pitch for a media project.
e. Qualify for entry-level work in media, television, or film development.

Post-Production Certificate of Achievement

The Post-Production certificate is designed to prepare students for career paths in the post-production of film, TV, and electronic media. This certificate covers areas of audio engineering, audio recording, video editing, effects, and color correction.

Code	Title	Units
Required Courses:		
FTVM 111	Studio Audio Production	3
FTVM 114	Editing I	3
FTVM 130	TV Production I	3
or FTVM 132	Film and Video Production I	
FTVM 215	Editing II	3
FTVM 216	Color Correction for Film and Media	3
FTVM 198	Media Practicum	3
Total Units		**18**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a gainful employment program.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create a portfolio of work to demonstrate entry-level skills.
b. Write a resume and complete an online portfolio for entry level employment in media, television, or film production.
c. Produce film and media projects for a variety of distribution platforms.
d. Develop content utilizing professional level post-production applications.
e. Describe how to fix and correct footage film for television and media projects.

Production Certificate of Achievement

The Production Certificate is designed to prepare students for career paths in film, tv, and media production. It emphasizes production of short narrative, documentary, and long form media content. Note: Students who wish to pursue the Associates in Media Production the department advises students to take FTVM 102.

Code	Title	Units
Required Courses:		
FTVM 130	TV Production I	3
FTVM 122	Acting and Directing for Television and Film	3
FTVM 131	Cinematography	3
FTVM 233	TV Studio Production II	3
or FTVM 234	Film and Video Production II	
or FTVM 235	Cinema Production	
Total Units		**12**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Qualify for entry-level work in media, television, or film production.
b. Have an online portfolio of work to demonstrate entry-level skills.
c. Write a resume for entry level employment in media, television, or film production.
d. Modify and edit film and media content for distribution.

Social Media Production Certificate of Achievement

Our Social Media Production Certificate program is designed to provide students with comprehensive training in the creation of engaging and visually compelling content for various social media platforms. Through a combination of Film, Television, Media Classes such as video production, editing, and Art classes such graphic design and typography classes, participants will develop the skills necessary to craft impactful multimedia content that captivates audiences and drives engagement. From conceptualization to execution, students will learn the fundamentals of storytelling, cinematography, and graphic design techniques, empowering them to produce professional-quality content tailored to the unique demands of social media. Whether you're an aspiring content creator looking to launch a career in digital media or a marketing professional seeking to enhance your social media presence, our certificate program offers the perfect blend of theory and hands-on experience to succeed in the fast-paced world of social media production.

Code	Title	Units
Required Courses:		
FTVM 198	Media Practicum	3
ART 144	Typography and Visual Communication	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
FTVM 213	Radio and Podcast Operations	3
FTVM 215	Editing II	3
Total Units		**15**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop the ability to create strategic and engaging content across digital platforms, incorporating video, photography, and public relations principles to effectively convey brand messaging, engage audiences, and drive desired actions.
b. Acquire proficiency in multimedia storytelling techniques, integrating video, photography, and public relations strategies to craft compelling narratives that resonate with target audiences and enhance brand identity and reputation in the digital space.
c. Develop the ability to conceptualize and execute strategic social media content plans, integrating video production, editing, and graphic design to effectively engage target audiences, increase follower engagement, and drive desired actions.
d. Cultivate creative problem-solving skills in multimedia production contexts, learning to overcome technical challenges, adapt to evolving social media trends, and produce innovative content that stands out in the digital landscape.
e. Build a comprehensive portfolio showcasing proficiency in video production, editing, and graphic design for social media platforms, demonstrating the ability to conceptualize, create, and deliver high-quality multimedia content suitable for a variety of social media marketing campaigns and branding initiatives.

Television Associate of Arts Degree

The Associate in Art degree in Television is designed to prepare students for career paths in the television and streaming industries in a variety of areas, including serialized narrative and documentary, remote and studio production, writing, preproduction, and editing. Students will learn the basics of television production within the first half of the program then choose between an emphasis in either unscripted or scripted content for television and streaming.

Code	Title	Units
Required Courses:		
FTVM 130	TV Production I	3
FTVM 114	Editing I	3
FTVM 111	Studio Audio Production	3
FTVM 233	TV Studio Production II	3
Work Experience - Complete a minimum of three units from the following:		

FTVM 098	Media Arts Work Experience	0.5-4
or FTVM 198	Media Practicum	
One Pathway from the following:		
Unscripted Pathway - Take three courses:		
FTVM 198	Media Practicum	3
FTVM 133	Broadcast News	3
FTVM 132	Film and Video Production I	3
FTVM 134	Sports Broadcasting	3
FTVM 216	Color Correction for Film and Media	3
Scripted Pathway - Take three courses:		
FTVM 120	Writing for Streaming and Broadcast	3
FTVM 121	Writing for Cinema	3
FTVM 122	Acting and Directing for Television and Film	3
FTVM 234	Film and Video Production II	3
FTVM 131	Cinematography	3
FTVM 235	Cinema Production	3
Electives - Take two courses not previously completed:		
FTVM 104	Women in Cinema	3
FTVM 114	Editing I	3
FTVM 162	Film Photography	3
FTVM 215	Editing II	3
FTVM 216	Color Correction for Film and Media	3
FTVM 234	Film and Video Production II	3
FTVM 235	Cinema Production	3
Total Units		**30-31**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create a portfolio of work to demonstrate professional level skills.
b. Create a portfolio from projects developed and produced in the department.
c. Develop stories for appropriate career pathways in television and streaming these include both scripted and unscripted projects.
d. Produce, direct, and edit a production that meets technical guidelines for broadcast on television or streaming.

Video Broadcasting Certificate of Achievement

The Video Broadcasting Certificate program will enable students to gain valuable skills and creative techniques in the highly competitive and challenging world of Television broadcasting forms of over the air signals, streaming platforms, and other forms of over the top distribution channels. The. The course offerings are designed to provide a general overview of the broadcasting industries and their inter-relationships, while also concentrating on specific job skills.

Code	Title	Units
Required Courses:		
FTVM 114	Editing I	3
FTVM 130	TV Production I	3
FTVM 133	Broadcast News	3
FTVM 134	Sports Broadcasting	3
Total Units		**12**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create a portfolio of work to demonstrate entry-level skills.
b. Write a resume for entry-level employment in media, television, or film production.
c. Modify and edit film and media content for distribution.
d. Qualify for entry-level work in media, television, or film production.

Food and Nutrition

The Food and Nutrition curriculum prepares students for careers in the following areas but is not limited to the Food Service industry, Hospitals, Retirement Homes, Spas, Rehabilitation Centers, and Schools. Students planning to transfer to a four-year institution and major in Hospitality should consult with a counselor regarding the transfer process and lower-division requirements. Please see Culinary Arts for more courses in this major.

Contact Information:

Division: Academic Services, Business, Computer Technology, and Hospitality (B - 127)

Division Phone Number: (909) 384-8520

Division Dean: Stephanie Lewis (slewis@sbccd.edu), Ph.D., Ed.S.

Faculty Chair: Stacy Meyer (smeyer@sbccd.edu), M.A.

Counselor Liaisons:

- Armando Garcia (argarcia@sbccd.edu), M.S.C.
- Patricia (Patty) Jones (pjones@sbccd.edu), M.A.

- Dietetic Aide Certificate of Achievement
- Dietetic Service Supervisor Certificate of Achievement
- Nutrition and Dietetics Associate in Science for Transfer Degree

FN 060 4 Units
Modified Diets
Lecture: 72 contact hours
Prerequisite: FN 162
This course concentrates on the principles of therapeutic nutrition in order to provide modified diets for individuals with a variety of health conditions. The focus is on the rationale for dietary adequacy and how modifications improve a person's well-being.
Associate Degree Applicable

FN 064 3 Units
Nutrition Management
Lecture: 54 contact hours
The focus of this course is on the food service and nutrition management in a health care facility. It includes the development of policies, protocols and procedures for organizing, staffing and training, as well as the promotion of sound financial planning and a cost control system.
Associate Degree Applicable

FN 066 3 Units
Nutrition Care
Lecture: 54 contact hours
Prerequisite: FN 060
This course integrates the academic content and principles of nutrition, diet and menu development with the application of nutrition care, diet evaluation, diet education and dietetic practice.
Associate Degree Applicable

FN 098 0.5-4 Units
Food and Nutrition Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

FN 162 3 Units
Introduction to Food and Nutrition
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course introduces the scientific concepts of nutrition related to the function of nutrients in the basic life processes. Emphasis is on individual nutrition needs for health promotion and disease prevention, food sources of nutrients, current nutritional issues and diet analysis.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: NUTR 110

Dietetic Aide Certificate of Achievement

This program is designed to prepare students for entry-level employment in a designated unit or department in health care, community care, school food service, retirement center, or health and community directed programs of nutrition services. These services are often geared towards people with advanced dietary healthcare needs.

Code	Title	Units
Required Courses:		
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
FN 060	Modified Diets	4
FN 162	Introduction to Food and Nutrition	3
HOSP 160	Culinary Production and Kitchen Operations	3
Total Units		**16**

Code	Title	Units
Recommended Course:		
FN 098	Food and Nutrition Work Experience	0.5-4

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Create and design a menu for modified diets.
b. Prepare and serve food for modified diets.
c. Interpret and implement directions from dietitians in the provision of food service and nutritional programs.

Dietetic Service Supervisor Certificate of Achievement

This program is designed for students to interested in the dynamic field of food and nutrition. Students will receive education and training for entry-level management positions in a food service department within a health care facility, community care, retirement center, or school food service organizations. Supervisors write menus, design diets, teach classes to food service personnel and give instruction on individual diets.

Code	Title	Units
Required Courses:		
BUSAD 110	Human Resource Management	3
CULART 050	Healthy Cooking and Special Diets	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
FN 060	Modified Diets	4
FN 064	Nutrition Management	3
FN 066	Nutrition Care	3
FN 162	Introduction to Food and Nutrition	3
HOSP 160	Culinary Production and Kitchen Operations	3
Total Units		**28**

Code	Title	Units
Recommended Course:		
FN 098	Food and Nutrition Work Experience	0.5-4

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Explain hiring practices as it applies to the kitchen area.
b. Provide nutrition services for schools, training camps, food-service companies, sports/fitness centers and restaurants.
c. Supervise the production, prepare menus, and conduct training for food service personnel.
d. Meet the California Department of Health Licensing Requirements for Dietetic Service Supervisor (DSS).

Nutrition and Dietetics Associate in Science for Transfer Degree

Nutrition and Dietetics is an interdisciplinary science that studies factors that affect our food choices, the chemical and physiological processes involved in processing and delivering the chemical components of those foods to the body. Students will focus their studies in nutritional science including chemistry and physiology as well as institutional nutrition, community nutrition, food production, management of foodservice operations. The courses within this program are designed to provide students with applicable skills useful in a vast range of occupations.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Nutrition and Dietetics AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Nutrition and Dietetics should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
FN 162	Introduction to Food and Nutrition	3
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
CHEM 150	General Chemistry I	5
BIOL 270	Microbiology	5
List A - One to two courses from the following:		
CHEM 151	General Chemistry II	5
CHEM 212	Organic Chemistry I	5
One Biology Course Sequence:		
BIOL 250 & BIOL 251	Human Anatomy and Physiology I and Human Anatomy and Physiology II [1]	
BIOL 260 & BIOL 261	Human Anatomy and Human Physiology	
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
or ECON 208	Business and Economic Statistics	
or PSYC 105	Statistics for the Behavioral Sciences	
List B - One course from the following:		
HOSP 160	Culinary Production and Kitchen Operations	3
CHEM 104	Introduction to Organic Chemistry and Biochemistry	4
CHEM 105	Introduction to General, Organic and Biochemistry	5
CHEM 213	Organic Chemistry II	5
MATH 102	College Algebra	4
MATH 103	Plane Trigonometry	4
MATH 151	Precalculus	4

Code	Title	Units
Major Total		**27-30**
Total Double-Counted Units		**13**
General Education (Cal-GETC) Units		**34**
Elective Units		**9-12**
Total Units		**60**

[1] Credit will only be awarded for one of the following courses/sequence: BIOL 250 and BIOL 251 or BIOL 260 or BIOL 261.

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Outline the overall nutritional needs of children and adults and develop comprehensive food plans to ensure nutritional needs are being met.
b. Recognize the sources and functions of macronutrients and micronutrients.
c. Compare canned/packaged food products using the information on the Nutrition Facts Panel, ingredient list, and Daily Values.
d. Analyze a three-day dietary intake by food groups and/or by nutrients using Recommended Daily Allowances (RDA) and write recommendations based on the data gleaned from the analysis.

Geographic Information Systems (GIS)

The Geographic Information Systems (GIS) Certificate of Achievement is designed for students who want to enter the dynamic field of GIS, as well as students who seek career advancement. If you are interested in working with geospatial data and creating maps with meaning, then the GIS program is for you!

Join a growing list of successful students who have made an impact in the Inland Empire and beyond. Enroll in our GIS classes. Create useful, visually stunning maps. Let us help you make a difference!

Geographic Information Systems (GIS) is used within the following economic sectors and organizations:

- Business (e.g. banking, logistics, real estate, marketing, and more),
- Government (e.g. local, state, national, military, emergency services, law enforcement, transportation, and more),
- Education and Science (e.g. research, libraries, k-12 education, higher education, and more),
- Environment and Conservation (e.g. ecology, parks, pollution monitoring, drone monitoring, and more),
- Natural Resources (e.g. agriculture, forestry, mining, non-renewable resources, renewable resources, and more),
- Healthcare (e.g. epidemiology, epidemics, pandemics, disease vectors, hospital and clinic locations, and more),
- Entertainment (e.g. drone cinematography, scouting filming sites, and more), and
- Utilities (e.g. electricity, natural gas, telecommunications, water, wastewater, and more).

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chairs: Todd Heibel (theibel@sbccd.edu), Ph.D. and Matthew Robles (mrobles@sbccd.edu), M.S.

Counselor Liaisons:

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- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Geographic Information Systems Certificate of Achievement

GIS 098 0.5-4 Units
GIS Work Experience
WRKEX: 216 contact hours
Prerequisite/Corequisite: GIS 135
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.
Associate Degree Applicable

GIS 100 3 Units
Map Interpretation and Geospatial Analysis
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ECON 208 or STAT C1000 or STAT C1000H or PSYC 105 and ENGL C1000 or ENGL C1000H
Have you ever wondered how the traffic map works on your phone? Do you enjoy exploring maps and satellite images online? This class is an introduction to maps, images and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), automated and web-based mapping, remote sensing, and Geographic Information Systems (GIS), all of which aid in data collection, analysis and presentation. Theories, methods, and ethics within GIS, GPS, remote sensing, cartography, and field work play a central role in this course. This course also highlights how GIS and geospatial analytical tools can address longstanding issues related to economic, environmental, political, racial, and social justice. (This course is also offered as GEOG 100).
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 150

GIS 130 3 Units
Introduction to Geographic Information Systems (GIS)
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ECON 208 or STAT C1000 or STAT C1000H or PSYC 105 and ENGL C1000 or ENGL C1000H
How do corporations know where to locate retail stores and restaurants? How do epidemiologists know how to confront epidemics, pandemics, and related disease outbreaks? How does your utility provider know the location of power outages and water leaks? How do demographers create maps based on ethnicity, socioeconomic status, age, gender, religious affiliation, and other population characteristics? The answers to these questions and more are found within Geographic Information Systems (GIS). This course provides an introduction to the fundamentals of Geographic Information Systems (GIS), including the history of automated mapping. It includes a brief introduction to basic cartographic principles, including map scales, coordinate systems and map projections. GIS hardware and software are implemented, as are various applications of GIS technology used in environmental science, business and government. Using automatic mapping software like ArcGIS Online, ArcGIS Pro, ArcMap, and Story Maps, you will create maps that address a variety of local to global issues. (This course is also offered as GEOG 130)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 155

GIS 133 3 Units
GIS Cartography and Base Map Development
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: GEOG 130 or GIS 130
We interact with maps all the time, in the news, on your mobile device, and elsewhere. Accurate, well produced maps are vital for public consumption. Maps are powerful tools in the spatial representation of historically marginalized and underrepresented groups. This course introduces the nature of cartography, standard cartographic conventions, and graphic symbology. Map projections, scale, types of thematic maps, and map accuracy are reviewed. Current industry standard techniques used in GIS base map development are employed, including production and presentation techniques of professional quality maps.
Associate Degree Applicable
Transfers to both UC/CSU

GIS 134 3 Units
Data Acquisition and Management
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: GEOG 130 or GIS 130
There are myriad methods to collect, administer, and display spatial data. Cloud computing, Artificial Intelligence (AI), social media, drone and satellite platforms, and traditional on the ground field work all contribute to GIS data. This course addresses the interpretation and understanding of a variety of data formats available in GIS. It introduces the fundamental concepts of primary GIS data creation, and discusses quantitative techniques for collection, classification, and management of geographical data.
Associate Degree Applicable
Transfers to CSU only

GIS 135 3 Units
Spatial Analysis with GIS
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: GEOG 130 or GIS 130
Cloud computing, artificial intelligence (AI), web GIS, and automated mapping are becoming increasingly important within spatial analysis. This course is an introduction to spatial analysis with fundamental concepts and analytical procedures used to simplify complex spatial modeling. Specific methods covered include spatial queries, buffering, overlay, interpolation, network analysis, surface analysis, and spatial autocorrelation. Spatial analysis tools and services have the capacity to highlight and address long-standing issues of economic, environmental, racial, and social justice, as well as environmental sustainability.
Associate Degree Applicable
Transfers to CSU only

GIS 137 3 Units
GIS Advanced Applications
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: GIS 135
This course provides hands-on training in advanced applications of GIS using ArcGIS Online, ArcGIS Pro, ArcGIS Developer, and ArcGIS Enterprise. It includes Application Programming Interface (API), Visual Basic Applications (VBA), JavaScript, and Python scripting for customizing ArcGIS. It includes an introduction to ArcGIS Server, Web Map Service (WMS), ArcGIS WebApp Builder, and building maps and models for publishing to the web. Students will build web applications with GIS capabilities using Application Service Provider (ASP) and application programming interface (API) tools.
Associate Degree Applicable
Transfers to CSU only

GIS 222 1-3 Units
Independent Study in Geographic Information Systems
DIR: 54 contact hours
Prerequisite: GEOG 130 or GIS 130
Students with previous course work in GIS may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of GIS. Prior to registration, a written contract must be prepared jointly by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

GIS 400 4 Units
GIS and Data Analysis in Water Resources Management
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: WRM 302
Departmental Recommendation: WST 238
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course provides an inclusive exploration of the fundamentals of Geographic Information Systems (GIS) and data analysis within the context of water resources management. Students will engage with applied visual data systems, geographic data sources, vector and raster models, and spatial analysis, all while emphasizing the importance of diversity, equity, and inclusion in environmental decision-making. Through hands-on experiences with industry-standard GIS software, students will learn database management and digital cartography, focusing on water distribution, treatment, and wastewater management. The course highlights the critical role of equitable access to clean water and the need to address historical and systemic disparities in water resources management. By integrating diverse perspectives and fostering an understanding of anti-racist practices, students will develop the skills necessary to analyze and visualize data that reflects the needs of all communities. This course aims to empower students to become advocates for justice and sustainability in water resources management, ensuring that all voices are heard and considered in the development and implementation of solutions.
Associate Degree Applicable
Transfers to CSU only

Geographic Information Systems Certificate of Achievement

An increasing number of job sectors require mapping and spatial competency, including architecture, environmental science, finance, healthcare, marketing, policing, transportation, urban planning, and utilities. This certificate is designed to prepare students for entry-level employment in Geographic Information Systems (GIS) and automated mapping technology, utilizing satellites, aerial photography, drones, and web-based data. Advanced courses within this certificate equip students with the skills necessary to publish sophisticated web-based maps and create code to customize GIS applications.

Code	Title	Units
Required Courses:		
GEOG 100	Map Interpretation and Geospatial Analysis	3
or GIS 100	Map Interpretation and Geospatial Analysis	
GIS 130	Introduction to Geographic Information Systems (GIS)	3
or GEOG 130	Introduction to Geographic Information Systems (GIS)	
GIS 133	GIS Cartography and Base Map Development	3
GIS 134	Data Acquisition and Management	3
GIS 135	Spatial Analysis with GIS	3
GIS 137	GIS Advanced Applications	3
Elective Courses - One course from the following:		
CS 102	Introduction to Python Programming	3
or CS 102H	Introduction to Python Programming - Honors	
CS 120	Introduction to Visual Basic.NET	4
GIS 098	GIS Work Experience	1-4
GIS 222	Independent Study in Geographic Information Systems	1-3
WST 238	Geographic Information Systems (GIS) in Water Resources	3
Total Units		**18.5-22**

Code	Title	Units
Recommended Courses:		
ANTH C1001	Introduction to Biological Anthropology	3
or ANTH C1001	Introduction to Biological Anthropology - Honors	
ARCH 102	Digital Design Media Level I	3
BIOL 104	Human Ecology	3
CIT 101	Introduction to Computer Literacy	3
ENVSCI 100	Introduction to Environmental Science	3
GEOG 110	Physical Geography	3
GEOL 101	Introduction to Physical Geology	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate the skills necessary to become an entry-level GIS technician, including spatial data acquisition, spatial data processing, and publishing web-based maps.

b. Employ ArcGIS Field Maps, ArcGIS Survey123, ArcGIS QuickCapture, ArcGIS Workforce, and ArcGIS Navigator applications, as well as public-domain datasets to create web-based map.
c. Create and organize a tabular database and associated metadata through entry of textual and numerical information.
d. Collect and integrate raster data layers, including remotely sensed imagery, and vector data layers, including points, lines, and polygons.
e. GIS map analysis, including descriptive spatial statistics, inferential spatial statistics, and spatial autocorrelation.
f. Demonstrate how GIS can visualize and address longstanding issues related to economic, environmental, racial, and social justice, as well as environmental sustainability.

Geography

The study of geography is more important now than ever. If you have ever wondered why things happen in one place but not another, then geography is for you. If you like physical and social sciences, then geography is for you. If you marvel at the power of maps, then geography is for you. If you care about social, economic, political, racial, and environmental justice, then geography is for you!

The environmental and spatial science of geography examines physical and cultural landscapes across the Earth. As a spatial science, physical and cultural location and patterns on Earth's surface are central to the study of geography. It includes the study of all forces of nature and the consequences of those forces, with an emphasis on human-environment interactions.

Specifically, geography integrates multiple natural and social sciences. It includes the nature and interactions of the atmosphere and the land, plants and animals, the Earth's water resources, weather, climate, the Earth's dynamic surface, landforms and soil. It includes the way people have inhabited and altered the Earth by creating various forms of agriculture, language, religion, and cities.

Courses in geography fulfill the science and social sciences requirement for the associate degree, prepare the students for majoring in geography at a four-year institution, and supplement other studies for students interested in careers in environmental studies, education, engineering, urban planning, and architecture. Students planning to transfer to a four-year institution as a geography major should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chairs: Todd Heibel (theibel@sbccd.edu), Ph.D. and Matthew Robles (mrobles@sbccd.edu), M.S.

Counselor Liaisons:

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- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Geography Associate in Arts for Transfer Degree
- Geography Associate of Science Degree

GEOG 100 3 Units
Map Interpretation and Geospatial Analysis
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ECON 208 or STAT C1000 or STAT C1000H or PSYC 105 and ENGL C1000 or ENGL C1000H
Have you ever wondered how the traffic map works on your phone? Do you enjoy exploring maps and satellite images online? This class is an introduction to maps, images and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), automated and web-based mapping, remote sensing, and Geographic Information Systems (GIS), all of which aid in data collection, analysis and presentation. Theories, methods, and ethics within GIS, GPS, remote sensing, cartography, and field work play a central role in this course. This course also highlights how GIS and geospatial analytical tools can address longstanding issues related to economic, environmental, political, racial, and social justice. (This course is also offered as GIS 100).
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 150

GEOG 102 3 Units
Cultural Geography
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
Are you fascinated with the enormous diversity of culture, language, religion, economics, politics, urbanization, agriculture, and ethnicity around the world? Have you ever wondered how this developed? Are you concerned about human rights, social justice, climate change, and access to clean drinking water, healthcare, education, and resources? Using the tools of geography, this course will help you to understand how humans interact each other and how humans interact with the environment.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 120

GEOG 106 3 Units
Geographic Perspectives on the Environment
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
Within the early decades of the 21st century, the enormous impact of humans on the natural environment is clear. This course provides an introductory study of the latest geographic perspectives of critical environmental issues occurring within and across local, regional, national, and global scales. It creates an awareness of the geography of human-environment relationships, in particular how nature and natural resources are defined, contested, distributed, and consumed. Emphasis is on social, political, cultural, psychological, and economic evaluation of natural resources and associated resource management.
Associate Degree Applicable
Transfers to both UC/CSU

GEOG 110 3 Units
Physical Geography
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
You may have noticed that Earth's atmosphere, life forms, water resources, and landforms vary considerably from one place to another. This class helps you to understand how and why these variations occur, how the environment impacts us humans, and how we humans impact the environment. People from different backgrounds experience environmental impacts differently, so environmental justice is interwoven throughout this course. GEOG 111/GEOG 111H is strongly recommended for students who desire to transfer to CSU/UC. It is recommended that students complete GEOG 111/GEOG 111H within three years of completing GEOG 110.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 110

GEOG 111 1 Unit
Physical Geography Laboratory
Lab: 54 contact hours
Prerequisite/Corequisite: GEOG 110
In this laboratory companion for the GEOG 110 physical geography lecture course, you will use hands-on, in-class and field-based experiences to better understand and appreciate how and why Earth's atmosphere, life forms, water resources, and landforms vary considerably from one place to another. Because we humans are part of the physical environment, it is important to understand how people from different backgrounds impact the environment and experience environmental impacts differently. This course is recommended for students concurrently enrolled in GEOG 110 or who have successfully completed the course within the last three years. Students should be prepared to participate in one or more off-campus field exercises.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 111

GEOG 111H 1 Unit
Physical Geography Laboratory - Honors
Lab: 54 contact hours
Prerequisite/Corequisite: GEOG 110
In this laboratory companion for the GEOG 110 physical geography lecture course, you will use hands-on, in-class and field-based experiences to better understand and appreciate how and why Earth's atmosphere, life forms, water resources, and landforms vary considerably from one place to another. Because we humans are part of the physical environment, it is important to understand how people from different backgrounds impact the environment and experience environmental impacts differently. This course is recommended for students concurrently enrolled in GEOG 110 or who have successfully completed the course within the last three years. Students should be prepared to participate in one or more off-campus field exercises. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 111

GEOG 114 4 Units
Weather and Climate
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
Do you monitor the daily weather? Are you intrigued by severe weather events like tornadoes, tropical cyclones, blizzards, and flooding rain? This course covers Earth's atmospheric phenomena, with special reference to causes and regional distribution of weather and climate, both past and present. Topics include atmospheric structure and composition, solar radiation and energy balances, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, cyclones, weather forecasting, climate, and climate change. Emphasis will be given to current environmental topics, including natural and anthropogenic global climate change, air pollution, and environmental justice.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 130

GEOG 118 3 Units
California Geography
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
California is an incredibly diverse state. Its cultural, ethnic, socioeconomic, urban, and rural landscapes comprise an endlessly complex and fascinating tapestry. If it were an independent country, its economy would be the fifth-largest in the world. While the California Dream looms large, skyrocketing housing costs, socioeconomic and racial injustice, pervasive drought, and a year-round fire season are making this dream unattainable for many. This course provides a thematic approach to the state's issues, processes, and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical, and human landscapes that have evolved as a result of the human-environment interface.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 140

GEOG 120 3 Units
World Regional Geography
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
Every day, we learn about new and ongoing migration, refugee, environmental, economic, health, and geopolitical crises and conflicts happening somewhere in the world. Therefore, it is important to understand the complex and fascinating spatial interrelationships among our world regions. This course provides an introduction to world regional geography, emphasizing the nature of major cultural regions of the world. Through a comprehensive regional analysis, students will learn social structures, religions, languages, political systems, economics, environmental relationships, transportation networks, population dynamics, and urban development across the globe.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 125

GEOG 130 3 Units
Introduction to Geographic Information Systems (GIS)
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ECON 208 or STAT C1000 or STAT C1000H or PSYC 105 and ENGL C1000 or ENGL C1000H
How do corporations know where to locate retail stores and restaurants? How do epidemiologists know how to confront epidemics, pandemics, and related disease outbreaks? How does your utility provider know the location of power outages and water leaks? How do demographers create maps based on ethnicity, socioeconomic status, age, gender, religious affiliation, and other population characteristics? The answers to these questions and more are found within Geographic Information Systems (GIS). This course provides an introduction to the fundamentals of Geographic Information Systems (GIS), including the history of automated mapping. It includes a brief introduction to basic cartographic principles, including map scales, coordinate systems and map projections. GIS hardware and software are implemented, as are various applications of GIS technology used in environmental science, business and government. Using automatic mapping software like ArcGIS Online, ArcGIS Pro, ArcMap, and Story Maps, you will create maps that address a variety of local to global issues. (This course is also offered as GIS 130)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 155

GEOG 222 1-3 Units
Independent Study in Geography
DIR: 54 contact hours
Students with previous course work in Geography may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Geography. Prior to registration, a written contract must be prepared jointly by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

Geography Associate in Arts for Transfer Degree

This Associate in Arts degree in Geography for Transfer (AA-T) provides a path to students who wish to transfer to a CSU campus in Geography, and it serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the field. Additionally, this degree allows students to examine the environmental and spatial science of geography, including physical and cultural landscapes across the Earth. Courses in Geography prepare students interested in careers in environmental studies, environmental and social justice, education, engineering, urban planning, politics, law, and architecture.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Geography AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Geography should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory	1
or GEOG 111H	Physical Geography Laboratory - Honors	
GEOG 102	Cultural Geography	3
or GEOG 120	World Regional Geography	
List A - Two to three courses from the following:		**6-7**
GEOG 100	Map Interpretation and Geospatial Analysis	3
or GIS 100	Map Interpretation and Geospatial Analysis	
GEOG 114	Weather and Climate	4
GEOG 118	California Geography	3
GIS 130	Introduction to Geographic Information Systems (GIS)	3
or GEOG 130	Introduction to Geographic Information Systems (GIS)	
List B - Six units from the following:		**6**
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
GEOG 106	Geographic Perspectives on the Environment	3
GEOL 101	Introduction to Physical Geology	3
GEOL 122	Environmental Geology	3
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001H	Critical Thinking and Writing - Honors	
OCEAN 101 & OCEAN 111	Elements of Oceanography and Elements of Oceanography Laboratory	4
ECON 208	Business and Economic Statistics	4
or PSYC 105	Statistics for the Behavioral Sciences	
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	

Code	Title	Units
Major Total Units		**19-22**
Total Double-Counted Units		**13**
General Education (Cal-GETC) Units		**34**
Elective Units		**17-20**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate expertise in modern cartographic principles, including map interpretation and web applications.
b. Integrate fundamentals of sociology, biology, chemistry, physics, geology, and other social and natural sciences within a spatial network of human-environment interactions.
c. As knowledgeable consumers of information, apply geographic tools, frameworks, and methods to address human and environmental issues at a variety of geographic scales.
d. As citizen scientists, evaluate issues of economic, environmental, racial, and social justice in a variety of geographic settings and scales.

Geography Associate of Science Degree

The Associate of Science Degree in Geography provides a transfer path to four-year baccalaureate degrees, and it serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the field. Additionally, this degree allows students to examine the environmental and spatial science of geography, including physical and cultural landscapes across the Earth. Courses in Geography prepare students interested in careers in environmental studies, environmental and social justice, education, engineering, urban planning, politics, law, and architecture.

The environmental and spatial science of geography examines physical and human landscapes across the Earth. As a spatial science, physical and human location and patterns on Earth's surface are central to the study of geography. It includes the study of all forces of nature and the consequences of those forces, with an emphasis on human-environment interactions.

Geography integrates multiple physical and social sciences and includes: the nature and interactions of the atmosphere and the land, plants and animals, the Earth's waters, weather, climate, the Earth's dynamic surface, landforms and soil, and the way people have inhabited and altered the Earth by creating various forms of agriculture, language, religion, and cities.

Students planning to transfer to a four-year institution as a geography major should consult with a counselor regarding the transfer process and lower division requirements.

To graduate with a specialization in Geography, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units).

Code	Title	Units
Required Courses:		
GEOG 102	Cultural Geography	3
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory	1
or GEOG 111H	Physical Geography Laboratory - Honors	
Twelve units from the following:		**12**
GEOG 100	Map Interpretation and Geospatial Analysis	3
or GIS 100	Map Interpretation and Geospatial Analysis	
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 114	Weather and Climate	4
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3
GIS 130	Introduction to Geographic Information Systems (GIS)	3
or GEOG 130	Introduction to Geographic Information Systems (GIS)	
GIS 133	GIS Cartography and Base Map Development	3
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
Total Units		**19**

Code	Title	Units
Recommended Courses:		
ECON 100	Introduction to Economics	3
POLS C1000	American Government and Politics	3
or POLS C1000H	American Government and Politics - Honors	
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate expertise in modern cartographic principles, including map interpretation and web applications.
b. Integrate fundamentals of sociology, biology, chemistry, physics, geology, and other social and natural sciences within a spatial network of human-environment interactions.
c. As knowledgeable consumers of information, apply geographic tools, frameworks, and methods to address
human and environmental issues at a variety of geographic scales.
d. As citizen scientists, evaluate issues of economic, environmental, racial, and social justice in a variety of geographic settings and scales.

Geology

The forces that shape our planet with the Geology program at San Bernardino Valley College. Our campus is situated in the heart of Southern California, offering SBVC students a unique opportunity to study geology in a region with abundant geological diversity surrounded by mountains, fault lines, and desert landscapes.

The Geology AS-T program at San Bernardino Valley College introduces students to the physical processes and history of the Earth through engaging lectures, hands-labs, and local field trips. Courses explore topics like plate tectonics, earthquakes, volcanoes, mineral and rock identification, global climate change, and many more. Students will develop observational and analytical skills essential for success in academics and beyond.

Designed for transfer, the program alights students with CSU and UC requirements pursuing a degree in the geological sciences.

Why Choose Geology at SBVC?

- Transfer Ready curriculum with CSU/UC articulation.
- Dedicated faculty with expertise in the local Southern California geology.
- Lab-based, hands on courses that build real world skills.
- A supportive campus environment with resources such as the STEM/MESA center.

Whether you are fascinated by Earth's history or looking to start a career in the geosciences, the Geology Program at SBVC provides a strong foundation to explore and understand this dynamic planet we all call home.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

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Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Geology Associate in Science for Transfer Degree

GEOL 101 3 Units
Introduction to Physical Geology
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
Earth is an amazing place, and for millennia cultures and civilizations have attempted to explain the various topics that relate to our understanding of our blue planet. From the various minerals, rocks, and resources found on it that power our cellphones and televisions to the dramatic features, such as mountains, volcanoes, canyons etc. that shape our landscape. From the consequential natural disasters such as earthquakes that we in California and people around the world deal with on an annual basis to the disproportionate effects of global climate change. In this course we build a fundamental understanding of these topics (and many more) by emphasizing the overarching Theory of Plate Tectonics, the processes that created the continents and the ocean basins, and the internal and external processes that change the landscape and impact the planet in a variety of ways we seek to put ourselves in the context of our planet.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOL 100

GEOL 111 1 Unit
Introduction to Physical Geology Laboratory
Lab: 54 contact hours
Prerequisite/Corequisite: GEOL 101
This course is a hands-on introduction to the study of the Earth, with an emphasis on the materials that make up the Earth. Students will participate in one or more field trips. This course is recommended for students concurrently enrolled in GEOL 101 or who have successfully completed GEOL 101 within the last two years.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOL 100L

GEOL 112 4 Units
Historical Geology
Lecture: 54 contact hours
Lab: 54 contact hours
Departmental Recommendation: GEOL 101 and GEOL 111 and eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course reviews the geologic history of the Earth. Specific topics include the planet's origin and chronological processes that produce major continental and oceanic features, plate tectonics, stratigraphy, interpretation of Earth history from rock and fossil records, and the evolutionary development of plant and animal life. Students should anticipate participating in one or more field trips.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOL 111

GEOL 122 3 Units
Environmental Geology
Lecture: 54 contact hours
Departmental Recommendation: GEOL 101 or GEOG 110
This course introduces the relationships among geologic processes, natural resources, and the needs of society. Topics include natural hazards such as earthquakes, landslides, and mudflows; mineral and energy resources; and the particular problems associated with urbanization, resource use, and pollution. Students should anticipate participating in one or more field trips.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOL 130

GEOL 140 3 Units
Earth Science
Lecture: 54 contact hours
An introduction to the essentials of Earth Science including the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather, and climate.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOL 120

GEOL 141 1 Unit
Earth Science Laboratory
Lab: 54 contact hours
Prerequisite/Corequisite: GEOL 140
In this laboratory component of the GEOL 140 Earth Science lecture course, you will use hands-on, field-based, and in-class experiences to better understand and appreciate the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather, and climate. This course is recommended for students concurrently enrolled in GEOL 140 or who have successfully completed the course within the last three years. Students should be prepared to participate in one or more off-campus field exercises.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOL 120L

GEOL 170 1 Unit
Geological History of the Great Basin Province
Lecture: 9 contact hours
Lab: 27 contact hours
Departmental Recommendation: GEOL 101 or GEOG 110 or GEOL 112 and eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
Students will discuss and observe the physical and historical geology of the Great Basin Province of the United States, with special emphasis on the geology of Death Valley National Park. Coursework will involve a series of lectures leading to a three to four day field trip through the Great Basin in and around Death Valley. Students must attend the field trip for the successful completion of the course. The field trips will emphasize the geological features and anthropological history of the Great Basin Province.
Associate Degree Applicable
Transfers to CSU only

GEOL 222 1-3 Units
Independent Study in Geology
DIR: 54 contact hours
Prerequisite: GEOL 101
Students with previous course work in Geology may work on assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Geology. Prior to registration, a written contract must be prepared jointly by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

GEOL 250 3 Units
Geology of California
Lecture: 54 contact hours
Departmental Recommendation: GEOL 101 or GEOG 110 and eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course introduces students to the physical and historical geology of California, emphasizing the distinctive geologic features of each of California's twelve geomorphic provinces. Students should anticipate participating in one or more field trips.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOL 200

GEOL 251 3 Units
Geology of the National Parks and Monuments
Lecture: 54 contact hours
Departmental Recommendation: GEOL 101 or GEOG 110 or GEOL 111 or GEOG 111 or GEOG 111H and eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course comprises a study of the geology of selected national parks, monuments, seashores, recreational areas, and other public sites of geologic interest within the United States and its territories. There is an emphasis on the geologic processes that formed these notable sites. Students should anticipate participating in one or more field trips.
Associate Degree Applicable
Transfers to both UC/CSU

GEOL 260 3 Units
Introduction to Field Geology
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: GEOL 101 or GEOL 112
Departmental Recommendation: GIS 130 or GEOG 130
This course emphasizes demonstration, discussion, and practice of field investigations of geologic environments. Activities include describing, mapping, and identifying geologic phenomena using traditional and cutting-edge field survey methods. As this is a hands-on course, students will spend time in the field.
Associate Degree Applicable
Transfers to both UC/CSU

GEOL 270 1 Unit
Geology of the Eastern Sierra Nevada
Lecture: 9 contact hours
Lab: 27 contact hours
Departmental Recommendation: GEOL 101 or GEOL 112 or GEOG 110 and eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This course provides a lecture discussion and field observation of the physical and historical geology of the Eastern Sierra Nevada Province. It includes a three to four day field trip along the boundary between the Sierra Nevada and Basin and Range Provinces. A three to four day field trip demonstrates volcanic, glacial, and other geologic or economic processes. This field trip is required for the successful completion of the course.
Associate Degree Applicable
Transfers to CSU only

Geology Associate in Science for Transfer Degree

The Associate in Science in Geology for Transfer (AS-T) degree is designed for students aiming to transfer to a California State University (CSU) to pursue a bachelor's degree in geology or a related field. This program provides students with a strong foundation in the principles of geology, emphasizing the study of Earth's materials, processes, and history. The curriculum includes core courses in physical and historical geology, as well as foundational courses in chemistry, physics, and mathematics. These subjects equip students with the analytical, observational, and problem-solving skills necessary for success in the field of geology.

Students completing this program will, (1) gain an understanding of Earth's physical structure, natural resources, and dynamic processes, including plate tectonics, volcanism, and erosion, (2) learn to analyze rock, mineral, and fossil specimens in both laboratory and field settings and (3) develop a solid foundation in scientific inquiry and quantitative reasoning applicable to geology and related disciplines. Graduates of the program can pursue careers in environmental consulting, natural resource exploration, geological research, or further studies in specialized areas like paleontology, seismology, or hydrology.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Geology AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Geology should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory	1
GEOL 112	Historical Geology	4
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4

Code	Title	Units
Major Total Units		**26**
Total Double-Counted Units		**7**
General Education (Cal-GETC) Units		**34**
Elective Units		**7**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Have an understanding of the significance of Plate Tectonics in the overall picture of geologic processes.
b. Appreciate the magnitude of geologic time in explaining how the earth has changed over the course of geologic history.
c. Recognize important rock-forming minerals; both as mineral samples and as they appear in common rocks.
d. Identify the 3 major rock types (Igneous, Sedimentary, and Metamorphic) in field exposures.
e. Recognize major land form features and explain what geologic processes were involved in their formation.
f. Be prepared to transfer to an accredited 4-year degree granting institution and compete effectively against 'native' students in the same field of study.

Global Studies

In the Global Studies program, students engage a critical, interdisciplinary approach to examine large-scale and interconnected issues facing our world. Drawing on the fields of geography, history, anthropology, economics, and politics, this program helps students develop understanding about global-local relations, the development of global ideas and actors, international challenges, global inequality, and global responsibility. The AA-T in Global Studies is designed for students planning to transfer into majors such as Global Studies, Global Politics, International Relations, International Studies, and Comparative Government. Majoring in Global Studies prepares students to work in the areas of international business, international law, government, sustainability, public health, development for social justice, education, and research, although Global Studies majors may apply their knowledge and skills in a vast range of fields.

Contact Information:

Division: Social Sciences and Human Development (NH-345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Melissa King (mking@sbccd.edu), Ph.D.

Counselor Liaisons:

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- Global Studies Associate of Arts Transfer Degree

GLST 101 3 Units
Introduction to Global Studies
Lecture: 54 contact hours
This course is an introduction to the interdisciplinary field of Global Studies, examining the history of globalization, and economic, political, social, cultural, and ecological processes related to globalization.
Associate Degree Applicable
Transfers to both UC/CSU

GLST 102 3 Units
Global Issues
Lecture: 54 contact hours
Departmental Recommendation: GLST 101
This course examines the origins, current status, and future trends of major transnational issues confronting the global community. Topics may include population trends, economic development and inequality, basic human needs and human rights, international conflict and security, competition over resources, movements for independence and social justice, environmental issues, and violence. This course focuses on global governance and collective global responsibility.
Associate Degree Applicable
Transfers to both UC/CSU

Global Studies Associate in Arts for Transfer Degree

In the Global Studies program, students engage a critical, interdisciplinary approach to examine large-scale and interconnected issues facing our world. Drawing on the fields of geography, history, anthropology, economics, and politics, this program helps students develop understanding about global-local relations, the development of global ideas and actors, international challenges, global inequality, and global responsibility. The AA-T in Global Studies is designed for students planning to transfer into majors such as Global Studies, Global Politics, International Relations, International Studies, and Comparative Government. Majoring in Global Studies prepares students to work in the areas of international business, international law, government, sustainability, public health, development for social justice, education, and research, although Global Studies majors may apply their knowledge and skills in a vast range of fields.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Global Studies AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Global Studies should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
GLST 101	Introduction to Global Studies	3
GLST 102	Global Issues	3
List A - Five courses from at least four areas below: (15 units)		
Area 1 - Culture and Society:		
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
Area 2 - Geography:		
GEOG 102	Cultural Geography	3
GEOG 110	Physical Geography	3
GEOG 120	World Regional Geography	3
GEOG 130	Introduction to Geographic Information Systems (GIS)	3
or GIS 130	Introduction to Geographic Information Systems (GIS)	
Area 3 - Economics:		
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	

ECON C2001	Principles of Microeconomics	3
or ECON C2001	Principles of Microeconomics - Honors	
Area 4 - Politics:		
POLS 140	Introduction to Comparative Politics	3
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
Area 5 - Humanities:		
RELIG 101	Introduction to World Religions	3
SPAN 103	College Spanish III	4
or SPAN 103H	College Spanish III - Honors	
SPAN 104	College Spanish IV	4
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4

Code	Title	Units
Major Total Units		**21-22**
Total Double-Counted Units		**9**
General Education (Cal-GETC) Units		**34**
Elective Units		**13-14**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Develop an understanding of key concepts in the field of Global Studies and of key processes of globalization related to culture, economics, geography, politics, and history.
b. Analyze the interconnectedness of issues facing humans around the world and evaluate global responses.

Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R)

The Heating, Ventilation, Air Conditioning and Refrigeration Department prepares students for employment in the field of heating, ventilation, air conditioning and refrigeration. The employment opportunities in this field are expected to increase during the next decade due to the need to increase energy efficiencies of this equipment and incorporating building automation network and programming. Air conditioning in offices, stores, hospitals, schools and other non-residential buildings has become commonplace. Refrigeration is also necessary for the production, storage, and marketing of food and other perishables.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chair: Tarif (Terry) Halabi (thalabi@sbccd.edu), M.S.E.E.

Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

- Heating, Ventilation, Air Conditioning and Refrigeration Associate of Science Degree
- Heating, Ventilation, Air Conditioning and Refrigeration Certificate of Achievement

HVAC/R 001 4 Units
HVAC/R Fundamentals
Lecture: 54 contact hours
Lab: 54 contact hours
This course covers basic principles of refrigeration, refrigerants, refrigeration components and tools; repair and testing of refrigeration units; and basic brazing and soldering.
Associate Degree Applicable

HVAC/R 002 4 Units
Domestic Mechanical Refrigeration
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HVAC/R 001
This course covers principles of refrigeration compression systems, operations and controls, refrigeration and freezer construction, piping and parts layout. Included in the lab work is troubleshooting and servicing domestic refrigeration units.
Associate Degree Applicable

HVAC/R 003 4 Units
Commercial Mechanical Refrigeration
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HVAC/R 001
This course covers theory of compressor construction and operation, principles of all types of refrigerant controls and multi-stage control devices pertaining to commercial and industrial refrigeration including practical lab work.
Associate Degree Applicable

HVAC/R 004 4 Units
Electrical Fundamentals for HVAC/R
Lecture: 54 contact hours
Lab: 54 contact hours
This course covers fundamentals of direct and alternating current circuits, test equipment, most common electric motors, wiring and control devices used in modern refrigeration equipment including practical lab work with electrical refrigeration trainers and projects.
Associate Degree Applicable

HVAC/R 005 4 Units
Commercial Electric for HVAC/R
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HVAC/R 001 and HVAC/R 004
This course covers solid state control systems with emphasis on schematic reading and electrical troubleshooting pertaining to refrigeration equipment including practical lab work with electrical refrigeration trainers and projects.
Associate Degree Applicable

HVAC/R 006 4 Units
HVAC/R Air Distribution Systems
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HVAC/R 001
This course covers theory of multiple-stage systems and multiple-control devices with emphasis on condensing and evaporation equipment, heavy duty piping layout, forced-air heating, ventilation, and air conditioning including lab work with refrigeration trainers and projects.
Associate Degree Applicable

HVAC/R 007 3 Units
Welding for HVAC/R
Lecture: 18 contact hours
Lab: 108 contact hours
This course covers intensive training in soldering, brazing and welding techniques on copper tubing, steel and dissimilar metals using oxyacetylene and special gas torches as practiced in the refrigeration, HVAC industry including blueprint reading and fabrication.
Associate Degree Applicable

HVAC/R 098 0.5-4 Units
Refrigeration Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

Heating, Ventilation, Air Conditioning and Refrigeration Associate of Science Degree

To graduate with a specialization in Heating, Ventilation, Air Conditioning and Refrigeration, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
HVAC/R 001	HVAC/R Fundamentals	4
HVAC/R 002	Domestic Mechanical Refrigeration	4
HVAC/R 003	Commercial Mechanical Refrigeration	4
HVAC/R 004	Electrical Fundamentals for HVAC/R	4
HVAC/R 005	Commercial Electric for HVAC/R	4
HVAC/R 006	HVAC/R Air Distribution Systems	4
HVAC/R 007	Welding for HVAC/R	3
MATH 102	College Algebra	4
or TECALC 087	Technical Calculations	
Environmental Protection Agency (EPA) Universal Certification (608) [1]		
Total Units		**31**

[1] Students must present a copy of their Environmental Protection Agency (EPA) Universal Certification (608) to the Admissions and Records Office.

Code	Title	Units
Recommended Course:		
Students are encouraged to take this course to augment their knowledge of air conditioning and heating:		
AUTO 056	Automotive Heating and Air Conditioning	4

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Select and operate the required test equipment and during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
b. Analyze, interpret, and trace signal flow diagrams used in signal tracing of complex wiring circuits.
c. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
d. Pass the practice RSES and NATE exam on the theory and procedures of the HVAC/R technology.

Heating, Ventilation, Air Conditioning and Refrigeration Certificate of Achievement

This certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the field of heating, ventilation, air conditioning and refrigeration, installing, maintaining, and repairing such systems.

Code	Title	Units
Required Courses:		
HVAC/R 001	HVAC/R Fundamentals	4
HVAC/R 002	Domestic Mechanical Refrigeration	4
HVAC/R 003	Commercial Mechanical Refrigeration	4
HVAC/R 004	Electrical Fundamentals for HVAC/R	4
HVAC/R 005	Commercial Electric for HVAC/R	4
HVAC/R 006	HVAC/R Air Distribution Systems	4
HVAC/R 007	Welding for HVAC/R	3
MATH 102	College Algebra	4
or TECALC 087	Technical Calculations	
Environmental Protection Agency (EPA) Universal Certification (608) [1]		
Total Units		**31**

[1] Students must present a copy of their Environmental Protection Agency (EPA) Universal Certification (608) to the Admissions and Records Office.

Code	Title	Units
Recommended Course:		
Students are encouraged to take this course to augment their knowledge of air conditioning and heating:		
AUTO 056	Automotive Heating and Air Conditioning	4

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Select and operate the required test equipment and during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
b. Analyze, interpret, and trace signal flow diagrams used in signal tracing of complex wiring circuits.
c. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
d. Pass the practice RSES and NATE exam on the theory and procedures of the HVAC/R technology.

Heavy/Medium Duty Truck Technology

The Heavy/Medium Duty Truck Technology program offers students high technology training and skills that may be utilized for immediate employment after certificate completion. Students will receive training in various subjects including brake and suspension, computer-controlled engines, emphasis in electrical and heavy-duty maintenance and California Driver's License Class A or B. Students working for certificates must have a basic knowledge of arithmetic, reading and writing to learn and work in the occupations they select.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

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- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

- Commercial Driver's License (CDL) Orientation and Training Certificate of Achievement
- Heavy/Medium Duty Clean Vehicle Technology Associate of Science Degree
- Heavy/Medium Duty Clean Vehicle Technology Certificate of Achievement
- Heavy/Medium Duty Truck Engine and Fuel Injection Technology Certificate of Achievement
- Heavy/Medium Duty Truck Engine and Fuel Injection Technology Certificate of Completion
- Heavy/Medium Duty Truck Technology Associate of Science Degree
- Heavy/Medium Duty Truck Technology Certificate of Achievement

HMDT 021 4 Units
Heavy-Duty Truck Engines
Lecture: 54 contact hours
Lab: 54 contact hours
This course covers theory and practical shop work in the repair, operation, and maintenance of heavy-duty industrial truck engines and fuel injection systems including general troubleshooting and diagnostic testing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

HMDT 022 4 Units
Heavy-Duty Truck Brakes
Lecture: 54 contact hours
Lab: 54 contact hours
This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck brake systems and components including principles of hydraulic and pneumatic brake systems, anti-lock, and computer controlled braking systems used in today's modern heavy-duty trucks and busses.
Associate Degree Applicable

HMDT 023 4 Units
Heavy-Duty Truck Suspension and Steering
Lecture: 54 contact hours
Lab: 54 contact hours
This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck suspension and steering components including principles of hydraulic and pneumatic steering and suspension systems.
Associate Degree Applicable

HMDT 024 4 Units
Advanced Heavy-Duty Truck Engines
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HMDT 021
This course is an advanced engine rebuilds class that covers theory and practical shop work in the repair, operation, and maintenance of various heavy-duty truck engines. Topics include general troubleshooting and diagnostic testing of engine components and systems found in most engines from a variety of engine manufacturers. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.
Associate Degree Applicable

HMDT 026 4 Units
Computer Controlled Truck Engines
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HMDT 064 or AUTO 064
This course covers theory and practical shop work in the repair, operation, and maintenance of computer controlled truck engines. Topics include general troubleshooting and diagnostics using assorted electronic and computerized test equipment on operable computer controlled diesel engines.
Associate Degree Applicable

HMDT 028 4 Units
Heavy-Duty Truck Systems
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HMDT 064 or AUTO 064
This course covers theory and practical shop work in maintenance, air conditioning, Antilock Brake System (ABS), computers, and operations of the heavy-duty truck and bus systems. Course is designed to provide students the needed skills and knowledge to perform advanced level labor tasks in the heavy-duty truck and bus service industry.
Associate Degree Applicable

HMDT 034 4 Units
Heavy/Medium Duty Truck Alternative Fuels
Lecture: 54 contact hours
Lab: 54 contact hours
This course provides theory and hands-on experience in the operation, service, inspection, and maintenance of compressed natural gas (CNG) vehicle systems. This course prepares students for the ASE Alternate Fuels Test (F-1).
Associate Degree Applicable

HMDT 035 2 Units
Heavy-Duty Vehicle Automatic Transmissions
Lecture: 27 contact hours
Lab: 27 contact hours
This course provides theory and hands-on experience with heavy- and medium-duty automatic transmission operation, construction, service and overhaul procedures.
Associate Degree Applicable

HMDT 040 3 Units
Commercial Driver's License (CDL) DMV Exam Preparation
Lecture: 54 contact hours
Corequisite: HMDT 041
Departmental Recommendation: HMDT 026 and HMDT 028 and HMDT 035
This class trains student on the fundamentals of driving a Class 8 trucks. Successful completion of this course prepares students to take the written portion of the Commercial Driver's License Class A or B Department of Motor Vehicles (DMV) exam. Topics include diversity and inclusion in trucking, required training on basic vehicle instruments and controls, basic operation of a vehicle, vehicle inspection, hours of service, handling cargo, fatigue awareness, vehicle maintenance and violations, and trip planning.
Associate Degree Applicable

HMDT 041 1 Unit
Commercial Driver's License (CDL) Training Lab
Lab: 54 contact hours
Prerequisite/Corequisite: HMDT 040
Departmental Recommendation: HMDT 026 and HMDT 028 and HMDT 035
This class prepares students to take the DMV exam. Using a truck simulator, students receive training in truck and trailer backing, parking, docking, and road training needed to drive a Class 8 truck.
Associate Degree Applicable

HMDT 042 2 Units
Zero Emission Heavy Duty Truck
Lecture: 18 contact hours
Lab: 54 contact hours
The Zero Emission Heavy-Duty Truck course is to provide students with training in servicing and maintaining battery-electric and hydrogen-fueled vehicles.
Associate Degree Applicable

HMDT 064 4 Units
Auto/Truck Electrical Systems
Lecture: 54 contact hours
Lab: 54 contact hours
This course covers basic electrical theory, use of meters, test equipment, wiring diagrams, diagnosis and repair/replacement of major electrical components of automobiles and trucks. Emphasis is placed on diagnosis of starting systems, charging systems, and electrical circuits such as lights and batteries. (This course is also offered as AUTO 064)
Associate Degree Applicable

HMDT 098 0.5-4 Units
Heavy/Medium Duty Truck Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

HMDT 621 Noncredit
Heavy-Duty Truck Engines
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit course covers theory and practical shop work in the repair, operation, and maintenance of heavy-duty industrial truck engines and fuel injection systems including general troubleshooting and diagnostic testing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.

HMDT 622 Noncredit
Heavy-Duty Truck Brakes
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck brake systems and components including principles of hydraulic and pneumatic brake systems, anti-lock, and computer controlled braking systems used in today's modern heavy-duty diesel trucks and busses.

HMDT 623 Noncredit
Heavy-Duty Truck Suspension and Steering
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck suspension and steering components including principles of hydraulic and pneumatic steering and suspension systems.

HMDT 624 Noncredit
Advanced Heavy-Duty Truck Engines
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HMDT 621
This noncredit course is an advanced engine rebuilds class that covers theory and practical shop work in the repair, operation, and maintenance of various heavy-duty truck engines. Topics include general troubleshooting and diagnostic testing of engine components and systems found in most engines from a variety of engine manufacturers. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.

HMDT 626 Noncredit
Computer Controlled Truck Engines
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HMDT 664
This noncredit course covers theory and practical shop work in the repair, operation, and maintenance of computer controlled truck engines. Topics include general troubleshooting and diagnostics using assorted electronic and computerized test equipment on operable computer controlled diesel engines.

HMDT 628 Noncredit
Heavy-Duty Truck Systems
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: HMDT 664
This noncredit course covers theory and practical shop work in maintenance, air conditioning, Antilock Brake System (ABS), computers, and operations of the heavy-duty truck and bus systems. Course is designed to provide students the needed skills and knowledge to perform advanced level labor tasks in the heavy-duty truck and bus service industry.

HMDT 634 Noncredit
Heavy/Medium Duty Truck Alternative Fuels
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit course provides theory and hands-on experience in the operation, service, inspection, and maintenance of compressed natural gas (CNG) vehicle systems. This course prepares students for the ASE Alternate Fuels Test (F-1).

HMDT 635 Noncredit
Heavy-Duty Vehicle Automatic Transmissions
Lecture: 27 contact hours
Lab: 27 contact hours
This noncredit course provides theory and hands-on experience with heavy - and medium - duty automatic transmission operation, construction, service and overhaul procedures.

HMDT 640 Noncredit
Commercial Driver's License (CDL) DMV Exam Preparation
Lecture: 54 contact hours
Departmental Recommendation: HMDT 626 and HMDT 628 and HMDT 635
This noncredit class trains students on the fundamentals of driving a Class 8 truck. Successful completion of this course prepares students to take the written portion of the Commercial Driver's License Class A or B Department of Motor Vehicles (DMV) exam. Topics include diversity and inclusion in trucking, required training on basic vehicle instruments and controls, basic operation of a vehicle, vehicle inspection, hours of service, handling cargo, fatigue awareness, vehicle maintenance and violations, and trip planning. This course may also be offered for credit as HMDT 040.

HMDT 641 Noncredit
Commercial Driver's License (CDL) Training Lab
Lab: 54 contact hours
Prerequisite/Corequisite: HMDT 640
Departmental Recommendation: HMDT 626 and HMDT 628 and HMDT 635
This noncredit class prepares students to take the DMV exam. Using a truck simulator, students receive training in truck and trailer backing, parking, docking, and road training needed to drive a Class 8 truck. This course may also be offered for credit as HMDT 041.

HMDT 664 Noncredit
Auto/Truck Electrical Systems
Lecture: 54 contact hours
Lab: 54 contact hours
This noncredit course covers basic electrical theory, use of meters, test equipment, wiring diagrams, diagnosis and repair/replacement of major electrical components of automobiles and trucks. Emphasis is placed on diagnosis of starting systems, charging systems, and electrical circuits such as lights and batteries.

Commercial Driver's License (CDL) Orientation and Training Certificate of Achievement

This certificate is designed to provide students with the fundamentals and responsibilities involved with a Class A license, as it applies to the industry. It prepares students for what is expected with the everyday maintenance, field service, and networking within the industry and covers intrastate and interstate requirements of truck driving. Students will be prepared to take the DMV written test and practice driving a Class A truck with the use of truck simulators.

Code	Title	Units
Required Courses:		
HMDT 026	Computer Controlled Truck Engines	4
HMDT 028	Heavy-Duty Truck Systems	4
HMDT 035	Heavy-Duty Vehicle Automatic Transmissions	2
HMDT 040	Commercial Driver's License (CDL) DMV Exam Preparation	3
HMDT 041	Commercial Driver's License (CDL) Training Lab	1
Total Units		**14**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Complete maintenance service logs and service documents.
b. Read maps.
c. Explain the details that go into planning a trip.
d. Prepare a drivers inspection report detecting preventive maintenance problems.
e. Apply hooking and unhooking trailers practices.
f. Perform all necessary adjustments, demonstrate sequential steps taken in inspection and maintenance heavy–duty truck brake systems, fuel systems, transmission maintenance and inspection and log material in a manner consistent with industry standards.
g. Recognize the types of fuel and the fuel system and tune-up problems using various electronic test equipment.
h. Perform routine servicing of heavy-duty vehicles by evaluating equipment conditions and successfully and safely removing and replacing tires and other equipment in a manner consistent with industry practices and safety standards.

Heavy/Medium Duty Truck Technology Certificate of Achievement

This certificate is designed to prepare students for entry-level positions for the repair and maintenance of heavy and medium duty engines in trucks, locomotives, heavy vehicles, and mobile heavy-duty equipment.

Code	Title	Units
Required Courses:		
HMDT 021	Heavy-Duty Truck Engines	4
HMDT 022	Heavy-Duty Truck Brakes	4
HMDT 023	Heavy-Duty Truck Suspension and Steering	4
HMDT 024	Advanced Heavy-Duty Truck Engines	4
HMDT 026	Computer Controlled Truck Engines	4
HMDT 028	Heavy-Duty Truck Systems	4
HMDT 064	Auto/Truck Electrical Systems	4
or AUTO 064	Auto/Truck Electrical Systems	
Total Units		**28**

Code	Title	Units
Recommended Course:		
HMDT 098	Heavy/Medium Duty Truck Work Experience	0.5-4

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Diagnose and repair malfunctions in electrical systems and components
b. Disassemble, inspect and repair parts, which are reusable in a manner consistent with accepted trade practices and assemble a diesel engine in accordance with manufacturer instructions and specifications
c. Perform all necessary adjustments, demonstrate sequential steps taken in diagnosing heavy–duty truck brake systems and remove and replace components in a manner consistent with industry standards
d. Diagnose heavy–duty truck suspension and steering systems and remove and replace components in a manner consistent with industry standards
e. Diagnose the fuel system and tune-up problems using various electronic test equipment. Remove and replace components in a manner consistent with industry standards
f. Perform routine servicing of heavy-duty vehicles by evaluating equipment conditions and successfully and safely removing and replacing tires and other equipment in a manner consistent with industry practices and safety standards
g. Troubleshoot a truck electrical system failure, diagnose the cause and correctly repair that failure in accordance with accepted industry standards

Heavy/Medium Duty Clean Vehicle Technology Associate of Science Degree

The Heavy/Medium Duty Clean Vehicle Technology A.S. degree is designed to provide students with the fundamentals of alternative fuel and electric vehicle technology as it applies to the industry. The curriculum prepares students for entry-level positions in Heavy-Duty Truck and electrical maintenance, field service, and networking, in the field of Hybrid/Alternative fuel to include electrical power technology.

Code	Title	Units
Required Courses:		
AUTO 010	Introduction to Hybrid and Electric Vehicle Technology	4

ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
TECALC 087	Technical Calculations	4
HMDT 034	Heavy/Medium Duty Truck Alternative Fuels	4
HMDT 042	Zero Emission Heavy Duty Truck	2
Total Units		**22**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze, diagnose, and repair malfunctions in electrical systems and components of alternative fuel systems.
b. Inspect, disassemble, and repair parts, which are reusable in a manner consistent with accepted trade practices.
c. Inspect and assemble a truck engine and/or a Direct Current (DC) or Alternating Current (AC) electric motor in accordance with manufacturer instructions and specifications.
d. Analyze and perform routine servicing of heavy-duty vehicles by evaluating equipment conditions successfully in a manner consistent with industry practices and safety standards.
e. Inspect and troubleshoot an electrical system failure, diagnose the cause and correctly repair that failure in accordance with accepted industry standards.

Heavy/Medium Duty Clean Vehicle Technology Certificate of Achievement

This Heavy/Medium Duty Clean Vehicle Technology certificate is designed to provide students with the fundamentals of alternative fuel and electric vehicle technology as it applies to industrial. The curriculum prepares students for entry-level positions in Heavy-Duty Truck and electrical maintenance, field service, and networking, in the field of Hybrid/Alternative fuel to include electrical power technology.

Code	Title	Units
Required Courses:		
AUTO 010	Introduction to Hybrid and Electric Vehicle Technology	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
TECALC 087	Technical Calculations	4
HMDT 042	Zero Emission Heavy Duty Truck	2
HMDT 034	Heavy/Medium Duty Truck Alternative Fuels	4
Total Units		**22**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze, diagnose, and repair malfunctions in electrical systems and components of alternative fuel systems.
b. Inspect, disassemble, and repair parts, which are reusable in a manner consistent with accepted trade practices.
c. Inspect and assemble a truck engine and/or a Direct Current (DC) or Alternating Current (AC) electric motor in accordance with manufacturer instructions and specifications.
d. Analyze and perform routine servicing of heavy-duty vehicles by evaluating equipment conditions successfully in a manner consistent with industry practices and safety standards.
e. Inspect and troubleshoot an electrical system failure, diagnose the cause and correctly repair that failure in accordance with accepted industry standards.

Heavy/Medium Duty Truck Engine and Fuel Injection Technology Certificate of Achievement

The Heavy/Medium Duty Engine and Fuel Injection Technology Certificate of Achievement provides students with cutting-edge training and practical skills for immediate job opportunities. It encompasses training in repairing, operating, and maintaining heavy-duty industrial engines and computer-controlled engines. The curriculum also includes fundamental electrical theory, meter usage, testing equipment, wiring diagrams, troubleshooting, and diagnostic testing. The certificate may also be used in preparation for the Automotive Service Excellence (ASE) National Test.

Code	Title	Units
Required Courses:		
HMDT 021	Heavy-Duty Truck Engines	4
HMDT 024	Advanced Heavy-Duty Truck Engines	4
HMDT 028	Heavy-Duty Truck Systems	4
HMDT 034	Heavy/Medium Duty Truck Alternative Fuels	4
HMDT 064	Auto/Truck Electrical Systems	4
Total Units		**20**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Inspect, diagnose, and repair heavy-duty industrial truck engines, computer-controlled truck engines, and alternative fuel truck engines.
b. Analyze and identify basic electrical theories, using of meters and other test equipment.
c. Analyze and perform routine servicing of heavy-duty vehicle engines by evaluating equipment conditions.

Heavy/Medium Duty Truck Engine and Fuel Injection Technology Certificate of Completion

The Heavy/Medium Duty Truck Engine and Fuel Injection Technology noncredit certificate offers students high technology training and skills that may be utilized for immediate employment after certification completion. Students will receive training in various subjects including repair, operation and maintenance of heavy-duty industrial diesel engines and computer controlled diesel engines. The certificate will also cover basic electrical theory, use of meters, test equipment, and wiring diagrams. The certificate also covers general troubleshooting and diagnostic testing. The certificate may also be used in preparation for the Automotive Service Excellence (ASE) National Test.

Code	Title	Units
Required Courses:		
HMDT 621	Heavy-Duty Truck Engines	0
HMDT 624	Advanced Heavy-Duty Truck Engines	0
HMDT 628	Heavy-Duty Truck Systems	0
HMDT 634	Heavy/Medium Duty Truck Alternative Fuels	0
HMDT 664	Auto/Truck Electrical Systems	0
Total Hours		**480-540**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Diagnose, repair, operation and maintenance of heavy-duty industrial diesel engines and computer controlled diesel engines and alternative fuel (CNG).
b. Have the understanding and knowledge to cover basic electrical theory, use of meters, test equipment, and wiring diagrams.
c. Prepare to take the the Automotive Service Excellence (ASE) National Test.
d. Perform routine servicing of heavy-duty vehicle engines by evaluating equipment conditions and successfully in a manner consistent with industry practices and safety standards.

Heavy/Medium Duty Truck Technology Associate of Science Degree

The Heavy/Medium Duty Truck Technology degree prepares the students to seek employment in maintenance and repair of heavy/medium duty trucks at beginning level and can move to advanced level after some experience.

Code	Title	Units
Required Courses:		
CIT 101	Introduction to Computer Literacy	3
HMDT 021	Heavy-Duty Truck Engines	4
HMDT 022	Heavy-Duty Truck Brakes	4
HMDT 023	Heavy-Duty Truck Suspension and Steering	4
HMDT 024	Advanced Heavy-Duty Truck Engines	4
HMDT 026	Computer Controlled Truck Engines	4
HMDT 028	Heavy-Duty Truck Systems	4
HMDT 064	Auto/Truck Electrical Systems	4
or AUTO 064	Auto/Truck Electrical Systems	
Total Units		**31**

Code	Title	Units
Recommended Courses:		
HMDT 098	Heavy/Medium Duty Truck Work Experience	0.5-4
WELD 010	Introduction to Welding	2

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Diagnose and repair malfunctions in electrical systems and components.
b. Disassemble, inspect and repair parts, which are reusable in a manner consistent with accepted trade practices and assemble a diesel engine in accordance with manufacturer instructions and specifications.
c. Perform all necessary adjustments, demonstrate sequential steps taken in diagnosing heavy–duty truck brake systems and remove and replace components in a manner consistent with industry standards.
d. Diagnose heavy–duty truck suspension and steering systems and remove and replace components in a manner consistent with industry standards.
e. Diagnose the fuel system and tune-up problems using various electronic test equipment's and remove and replace components in a manner consistent with industry standards.
f. Perform routine servicing of heavy-duty vehicles by evaluating tire and other equipment conditions and successfully and safely removing and replacing tires and other equipment in a manner consistent with industry practices and safety standards.
g. Troubleshoot a truck electrical system failure, diagnose the cause and correctly repair that failure in accordance with accepted industry standards.
h. Be prepared to transfer a core curriculum to an accredited, four-year college or university with junior class standing.

History

Courses in the History Department explore the past in a variety of ways. Through a critical evaluation of the causes and significance of events in the past, students of history learn about the individuals, ideas, actions, and events that have shaped our present. History teaches students to think critically and to communicate their ideas in a more sophisticated fashion. It promotes an understanding of cultures and societies from the past while it helps students consider their own identities in the world of today. While the study of history is valuable in its own right, it also serves as a useful preparation for careers in law, public service, journalism, business, medicine, and education.

Students planning to transfer to a four-year institution and major in history should consult with a counselor regarding the transfer process and lower division requirements. History department courses may meet both Social Science and Humanities general education requirements at UC, CSU, and private colleges and universities.

Courses for CSU General Education Requirement: U.S. History and American Ideals

Students transferring to CSU institutions will need to meet the United States History and American Ideals requirement. While this is not part of Cal-GETC Certification, students can be complete this requirement prior to transfer by completing one of the courses below. Contact a counselor for additional information.

Code	Title	Units
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Edward Gomez (egomez@sbccd.edu), M.A.

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- History Associate in Arts for Transfer Degree

HIST C1001 3 Units
United States History to 1877
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. (Formerly HIST 100)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: HIST 130

HIST C1001H 3 Units
United States History to 1877 - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. This is an honors course. (Formerly HIST 100H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: HIST 130

HIST C1002 3 Units
United States History Since 1865
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. (Formerly HIST 101)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: HIST 140

HIST C1002H 3 Units
United States History Since 1865 - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. This is an honors course. (Formerly HIST 101H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: HIST 140

HIST 107 3 Units
Native American Experiences in U.S. History
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a history of Native Americans in the region of the current day United States from the time preceding European colonialism to the present. The course content will be presented from a Native American perspective, emphasizing colonialism, removal, assimilation, termination, and self-determination. (This course is also offered at ETHS 107)
Associate Degree Applicable
Transfers to both UC/CSU

HIST 107H 3 Units
Native American Experiences in U.S. History - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a history of Native Americans in the region of the current day United States from the time preceding European colonialism to the present. The course content will be presented from a Native American perspective, emphasizing colonialism, removal, assimilation, termination, and self-determination. This course is intended for students in the Honors Program, but is open to all students who desire more challenging work. (This course is also offered as ETHS 107H)
Associate Degree Applicable
Transfers to both UC/CSU

HIST 137 3 Units
Experiences of Racial and Ethnic Groups in U.S. History
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to United States history focusing on the experiences of racial and ethnic groups that spans from the early colonial period to present times. This course presents a comparative approach to understanding various racial and ethnic groups and their experiences through major social, political, economic, and cultural events in United States history.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SJS 110

HIST 138 3 Units
The African American Experience in U.S. History to 1877
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
As a general survey of the African-American experience in United States history to 1877, this course will analyze and detail the creation and development of African-American culture. This course examines key historical events and movements, such as the Atlantic slave trade, colonial and antebellum slavery, slave resistance, and the socio-economic conditions of free Blacks in the United States.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 139 3 Units
The African American Experience in U.S. History from 1877
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will emphasize the various social, political, and economic forces that have shaped the African American experience from Reconstruction to the current time period. Topics include the post Reconstruction South, the Great Migration, the Harlem Renaissance, the Civil Rights Movement, the conservative backlash, and the trials and triumphs of the 21st century.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 140 3 Units
Chicano Experiences in U.S. History
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a history of Chicanos in the region of the current day United States from the time preceding European colonialism to the present. The course content will be presented from a Chicano perspective, emphasizing colonialism, assimilation, discrimination, patterns of racist policies, cultural affirmation, and resistance.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 140H 3 Units
Chicano Experiences in U.S. History - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a history of Chicanos in the region of the current day United States from the time preceding European colonialism to the present. The course content will be presented from a Chicano perspective, emphasizing colonialism, assimilation, discrimination, patterns of racist policies, cultural affirmation, and resistance. This course is intended for students working in the Honors Program, but is open to all students who desire more challenging work.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 142 3 Units
Experiences of Asian Americans in U.S. History
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides a survey of United States history from the Asian American perspective, with an emphasis on the 1840s to the 21st century. The course content will be presented from an Asian American perspective, emphasizing the various waves of Asian migration, labor exploitation, anti- immigrant movements, racist governmental policies, and the Model Minority status.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 145 3 Units
History of California
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course surveys the rich heritage of California from its earliest inhabitants and Spanish/Mexican settlements to the present. An emphasis will be placed on the impact of the ethnic and cultural diversity of California along with the importance of geography and immigration. Other topics will include political, economic, and social development of the region from the early 19th century to the present.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 145H 3 Units
History of California - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course surveys the rich heritage of California from its earliest inhabitants and Spanish/Mexican settlements to the present. An emphasis will be placed on the impact of the ethnic and cultural diversity of California along with the importance of geography and immigration. Other topics will include political, economic, and social development of the region from the early 19th century to the present. This course is intended for students in the Honors Program, but is open to all students who desire more challenging work.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 150 3 Units
Introduction to Latin American History
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course studies the historical heritage of Latin America from its Indian, European and African origins to present. Course material is presented in chronological order with themes ranging from social, political, and cultural developments, to poverty, international conflicts, and race relations.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 170 3 Units
World History to 1500
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course covers the development of human societies from their origins to 1500. Particular emphasis placed on a comparative approach between the world's major civilizations, including an examination of social structure and daily life, evolution of complex political systems, cultural values and economic developments.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: HIST 150

HIST 171 3 Units
World History Since 1500
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a survey of world history from 1500 to present. There is a comparative approach to the study of specific themes including political, social, and economic change, as well as religious and cultural development.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: HIST 160

HIST 176 3 Units
Comparative History of Genocide and War Crimes
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course teaches the comparative history of genocide and war crimes during the 20th and 21st centuries. Students will study the phenomenon in a cross-cultural framework and will learn about the various socio-cultural and political organizations that have combatted genocide and rendered it a criminal act under international law.
Associate Degree Applicable
Transfers to both UC/CSU

HIST 185 3 Units
Women in United States History
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides a general survey of the role of women in United States history, with an emphasis on relevant political, economic, and social factors. There will be an emphasis on how women challenged traditional roles and expectations, as well as their vast contributions to war efforts, reform movements, and the fight for social justice.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SJS 120

HIST 222 1-3 Units
Independent Study in History
DIR: 162 contact hours
Students with previous coursework in history may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of history. Prior to registration, a written contract must be prepared jointly by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

History Associate in Arts for Transfer Degree

Historians critically evaluate the causes and significance of events in the past to better understand the individuals, ideas, actions, and events that have shaped our present. The work of historians promotes a better understanding of cultures and societies from the past. While the study of history is valuable in its own right, it also serves as a useful preparation for careers in law, archival work, public service, education, journalism, and business. This History Associate in Arts for Transfer (AA-T) degree includes foundational coursework in United States History and World History, with additional coursework in specialized history courses and/or introductory social science courses. Students will be prepared to successfully complete upper division coursework in history, and related disciplines, having completed this history degree. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this History AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in History should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
List A - 6 units:		
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
List B - One course from Area 1 and Area 2: (6 units)		
Area 1 - Diversity:		
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
or ETHS 107	Native American Experiences in U.S. History	
or ETHS 107H	Native American Experiences in U.S. History - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 142	Experiences of Asian Americans in U.S. History	3
HIST 150	Introduction to Latin American History	3
HIST 185	Women in United States History	3
Area 2:		
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
GEOG 102	Cultural Geography	3
HIST 145	History of California	3
or HIST 145H	History of California - Honors	
HIST 176	Comparative History of Genocide and War Crimes	3
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	

Code	Title	Units
Major Total Units		**18**
Total Double-Counted Units		**9**
General Education (Cal-GETC) Units		**34**
Elective Units		**17**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify and explain the historical significance of key events or movements.
b. Critically evaluate and interpret key themes in social, cultural, political, and/or economic movements.
c. Applying primary and secondary sources in research.
d. Analyze competing historical interpretations.

Human Services

The department of Human Services offers several options for students wanting to enter the helping professions. The department is considered interdisciplinary, offering CTE certificates only for those who are entering the workforce in specific entry level positions, and both a Human Services AA degree and Social Work and Human Services AAT degree, for those who are preparing to transfer for careers requiring a BA or Masters level degree, or a combination of both a certificate and degree.

The Addiction Studies Certificate is accredited by California Alcohol and Drug Educators, CAADE, an organization that accredits college program curriculum to align with state standards. This certificate is also recognized by the Department of Health Care Services, DHCS, as the first of 3 steps in acquiring state certification.

The 3 steps for Alcohol and Drug Certification in the state of California as outlined in title 9 of the counselor regulations by the DHCS are as follows:

a. Complete a certification program and receive certificate, this includes registering with one of the state approved certification bodies, CAADE, CCAPP, or CADTP
b. Complete the state exam given by the certification body
c. Complete 2500-3000 hours of supervised, (by clinical counselor with an AOD certification, in a DHCS licensed facility

Upon enrolling in the certificate program, the department suggests meeting with the faculty chair or professional expert in the department of Human Services to understand the process of state certification and the jobs open for alcohol and drug counselors at every level of certification and / or degree.

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Melinda Moneymaker (mmoneyma@sbccd.edu), B.A.

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- Addiction Studies Certificate of Achievement
- Case Management in the Public Sector Certificate of Achievement
- Human Services Associate of Arts Degree
- Human Services Certificate of Achievement
- Social Work and Human Services Assistant Certificate of Achievement
- Social Work and Human Services Associate in Arts for Transfer Degree

HUMSV 098 0.5-4 Units
Human Services Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

HUMSV 130 3 Units
Introduction to Addiction Studies: Drugs, Health, and Society
Lecture: 54 contact hours
Departmental Recommendation: READ 100 and ENGL C1000 or ENGL C1000H
This course provides an exploration of the psychological, sociological, and physical causes and effects of substance use disorder. Also included are overviews of the biopsychosocial nature of addiction; the impact of addiction on children, families and society; contemporary treatment and prevention approaches; and the addiction counseling profession.
Associate Degree Applicable
Transfers to CSU only
C-ID: PH 103

HUMSV 131 3 Units
Co-Occur Disorders
Lecture: 54 contact hours
Departmental Recommendation: READ 100 and ENGL C1000 or ENGL C1000H
This course reviews the major concepts, definitions, and features of co-occurring mental health disorders associated with addiction. Skills in recognizing co-occurring disorders, referral and case management of clients, and appropriate scope of practice are emphasized. Common types of mental health issues associated with addiction, including mood, anxiety, and adjustment disorders, post-traumatic stress disorder, and unresolved issues of childhood abuse, are covered as well as an overview of appropriate treatment and management approaches.
Associate Degree Applicable
Transfers to CSU only

HUMSV 132 3 Units
Diverse Populations
Lecture: 54 contact hours
Departmental Recommendation: READ 100 and ENGL C1000 or ENGL C1000H
This course explores the cultural impact of race, nationality, gender, sexual orientation, age, socio-economic status, and religion on substance use and access to treatment. The course will provide exposure to the fundamentals of cross-cultural counseling of individuals and families with substance use disorders, and common cultural barriers to traditional dependency counseling are examined.
Associate Degree Applicable
Transfers to CSU only

HUMSV 133 3 Units
Pharmacology
Lecture: 54 contact hours
Departmental Recommendation: HUMSV 130
The biological impact of alcoholism and other drug dependencies, with an emphasis on the treatment and recovery processes, and the role of medical professionals as members of the recovery team are reviewed in this course.
Associate Degree Applicable
Transfers to CSU only

HUMSV 134 3 Units
Family Dynamics of Addiction
Lecture: 54 contact hours
Departmental Recommendation: READ 100 and ENGL C1000 or ENGL C1000H
This course offers an overview of family dynamics associated with alcoholism and drug addiction; the impact of the diseases on family members; family oriented approaches to recovery; and the reintegration of the family into the community.
Associate Degree Applicable
Transfers to CSU only

HUMSV 135 3 Units
Prevention, Intervention and Recovery
Lecture: 54 contact hours
Departmental Recommendation: READ 100 and ENGL C1000 or ENGL C1000H
This course provides a comprehensive overview of theories and strategies for the prevention of substance use disorders. Primary, secondary, and tertiary and evidence-based prevention models will be introduced and assessed. Prevention programs and activities appropriate for the community, school, parents and family, and work-sites will be covered. Strategies such as education, public policies, media/information dissemination, ethnic, cultural, and gender-specific approaches, environmental risk reduction, and alternatives will be presented and assessed for their application to different target populations.
Associate Degree Applicable
Transfers to CSU only

HUMSV 136 3 Units
Addiction Studies: Basic Counseling I
Lecture: 54 contact hours
Prerequisite: HUMSV 130 and HUMSV 179
This course is designed for students seeking a certificate in Addiction Studies. Included topics are the dynamics of the helping relationship, analysis and implications of common characteristics of substance dependent individuals, demonstration and practice of assessment, interviewing and referral techniques; and review of counseling skills and case management.
Associate Degree Applicable
Transfers to CSU only

HUMSV 137 3 Units
Addiction Studies: Group Counseling II
Lecture: 54 contact hours
Prerequisite: HUMSV 136 and HUMSV 230 and HUMSV 232
This course is designed for students seeking a certificate in Addiction Studies, and includes practical implications and experience in various recovery and crisis intervention modalities; investigation of and experience in group dynamics; analysis and interpretation of critical aspects of counseling; analysis of the role of significant others in the recovery process; discussion of current treatment interventions; and the process of case management and record keeping.
Associate Degree Applicable
Transfers to CSU only

HUMSV 140 3 Units
Case Management in Public Service
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course provides an overview of the history, theories, skills and knowledge of case management in public social service settings. Topics include organizational structure, funding streams, regulatory issues, job descriptions, skills, personal qualities, evaluation, assessment and referral, employment services, and career paths. It is designed for students entering into the field of case management in public service.
Associate Degree Applicable
Transfers to CSU only

HUMSV 147 3 Units
Career Specialist
Lecture: 54 contact hours
Departmental Recommendation: READ 100 and ENGL C1000 or ENGL C1000H
This course provides an introduction to the field of career counseling including interviewing techniques, assessment tools, job opportunities and models for developing occupational options.
Associate Degree Applicable
Transfers to CSU only

HUMSV 167 3 Units
Crisis Intervention
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
The course examines the history and definitions of crisis intervention. Practical application of intervention theories and models, interviewing techniques, referral procedures, and assessment are explained and demonstrated. Analysis of types of crises such as suicide, substance abuse and violence in the workplace; common dangers; and coping methods will be presented. Professional issues including legal and ethical issues, confidentiality, cultural sensitivity and burn out are also covered.
Associate Degree Applicable
Transfers to CSU only

HUMSV 170 3 Units
Introduction to Social Work and Human Services
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
An introduction to the social work and human service professions and social welfare within American society. Study of the history of social work and human services, roles and responsibilities of the social worker and a human service practitioner, including professional code of ethics governing these professions, the principles of social work practice and theoretical perspectives of human services in response to social problems. To build an appreciation of diversity and an understanding of marginalized and under-privileged and under-served populations in our society.
Associate Degree Applicable
Transfers to CSU only
C-ID: SWHS 110

HUMSV 172 3 Units
Group and Family Dynamics
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course offers a comprehensive study of the dynamics operating in groups and families including the identification of healthy versus dysfunctional groups/families; methods of intervention in dysfunctional groups/families; and the techniques of facilitating treatment groups.
Associate Degree Applicable
Transfers to CSU only

HUMSV 173 3 Units
Helping and Interpersonal Skills
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course offers a practical study of helping strategies and interpersonal skills. The focus is on the use of techniques to improve communication, better evaluate relationships, and resolve conflicts.
Associate Degree Applicable
Transfers to CSU only

HUMSV 179 3 Units
Law and Ethics
Lecture: 54 contact hours
Departmental Recommendation: READ 100 and ENGL C1000 or ENGL C1000H
This course explores the legal, ethical, professional and personal issues involved in the treatment of substance use disorder. Emphasis is placed on professional responsibility and patient rights as well as issues of the work place and professional growth.
Associate Degree Applicable
Transfers to CSU only

HUMSV 195A 1 Unit
Social Work and Human Services Seminar I
Lecture: 18 contact hours
Prerequisite: HUMSV 170 and HUMSV 172 and HUMSV 173 and HUMSV 179
Corequisite: HUMSV 198C
This course provides students participating in a supervised field experience in a community organization, agency, or institution with weekly class meetings that provide the academic element to the experiential course offering. Students will learn and identify applied strategies for crisis intervention, case analysis, and therapeutic interventions while giving them the opportunity to develop skills that will facilitate gaining employment in social work settings or human service fields.
Associate Degree Applicable
Transfers to CSU only
C-ID: SWHS 120A

HUMSV 195B 1 Unit
Human Services: Intern Seminar II
Lecture: 18 contact hours
Corequisite: HUMSV 198C or HUMSV 198D or HUMSV 198F
This course provides an evaluation and application of applied strategies for crisis intervention, case analysis, and therapeutic interventions, and serves as a lecture-based foundation for student field work. STUDENTS MUST ALSO TAKE THE WORK EXPERIENCE CLASS THAT MATCHES THEIR CERTIFICATE GOAL.
Associate Degree Applicable
Transfers to CSU only

HUMSV 198C 2 Units
Social Work and Human Services Fieldwork I
WRKEX: 120 contact hours
Prerequisite: HUMSV 170 and HUMSV 172 and HUMSV 173 and HUMSV 179
Corequisite: HUMSV 195A
This course offers students supervised field experience in a community organization, agency, or institution, allowing the student to apply knowledge and learn new skills outside of the classroom environment. This course is designed to provide the student with an opportunity to observe, practice, and develop skills that would facilitate gaining employment in social work settings or human services fields.
Associate Degree Applicable
Transfers to CSU only
C-ID: SWHS 120B

HUMSV 198D 2.5 Units
Human Services Fieldwork II
WRKEX: 150 contact hours
Prerequisite: HUMSV 198C
Corequisite: HUMSV 195A or HUMSV 195B
This course provides supervised field work in the area of Human Services at specific agencies. Students work in their assigned agencies for approximately 10 hours per week.
Associate Degree Applicable
Transfers to CSU only

HUMSV 230 1 Unit
Addiction Studies: Internship Seminar I
Lecture: 18 contact hours
Corequisite: HUMSV 232
This course is an introduction to the duties and work objectives of counselors in addiction studies and related fields. Basic skills are developed through discussion and demonstration. This course serves as a lecture-based support for students in fieldwork.
Associate Degree Applicable
Transfers to CSU only

HUMSV 231 1 Unit
Addiction Studies: Internship Seminar II
Lecture: 18 contact hours
Corequisite: HUMSV 233
This course reviews job skills such as case management, assessment, and counseling. These skills are monitored and enhanced through class discussion and demonstration in this lecture-based foundation to the student field work.
Associate Degree Applicable
Transfers to CSU only

HUMSV 232 2.5 Units
Addiction Studies: Fieldwork I
WRKEX: 150 contact hours
Corequisite: HUMSV 230
This course provides supervised field work in the areas of orientation, screening, goal setting and evaluation, and the beginning techniques of alcohol and drug counseling at specific agencies. Students work in their assigned agencies for approximately 10 hours per week.
Associate Degree Applicable
Transfers to CSU only

HUMSV 233 2.5 Units
Addiction Studies: Fieldwork II
WRKEX: 150 contact hours
Corequisite: HUMSV 231
This course provides supervised field work in the areas of on the job skills such as treatment planning, intake and assessment and facilitation of groups in the field of alcohol and drug counseling at specific agencies. Students work in their assigned agencies for approximately 10 hours per week.
Associate Degree Applicable
Transfers to CSU only

HUMSV 240 1 Unit
Case Management Seminar I
Lecture: 18 contact hours
Prerequisite: HUMSV 140 and HUMSV 167 and HUMSV 170 and HUMSV 173
Corequisite: HUMSV 198C
This seminar offers students an in-depth exploration of case management principles in social and human services. It integrates theoretical frameworks with practical applications, focusing on case analysis, intervention strategies, and ethical considerations. Students will engage in discussions, role-playing, and case studies to refine their skills in managing client cases effectively.
Associate Degree Applicable
Transfers to CSU only

HUMSV 242 2 Units
Case Management Fieldwork
WRKEX: 120 contact hours
Prerequisite: HUMSV 140 and HUMSV 167 and HUMSV 170 or HUMSV 173
Corequisite: HUMSV 195A or HUMSV 195B
Supervised field work in the area of case management at specific agencies is provided to students. Students work in their assigned agencies for approximately 10 hours per week. (Formerly HUMSV 198F)
Associate Degree Applicable
Transfers to CSU only

HUMSV 281AXZ 1-3 Units
Selected Studies in Alcohol/Drug
Lecture: 54 contact hours
This experimental course explores addictions in the areas of Human Services, Alcohol/Drug Counseling, Mental Health, Human Development, and Corrections. Suggested subjects include codependency, driving under the influence, co-occurring disorders, tobacco addiction, and assessment instruments, etc.
Associate Degree Applicable
Transfers to CSU only

HUMSV 601 Noncredit
Family Violence
Lecture: 36 contact hours
This noncredit course provides a study of historical, psychological, sociological, and legal aspects of violence within the family system through the perspective of the helping professions with a sensitivity to ethnicity, gender, sexuality, and marginalized communities. This course will explore interventions, and referral of families experiencing violence.

Addiction Studies Certificate of Achievement

This certificate is designed to provide students with career preparation at the vocational certificate level in the field of substance abuse intervention and counseling for those preparing for careers in substance use disorder counseling or other related human or social services fields.

Code	Title	Units
Required Courses:		
HUMSV 130	Introduction to Addiction Studies: Drugs, Health, and Society	3
HUMSV 131	Co-Occur Disorders	3
HUMSV 132	Diverse Populations	3
HUMSV 133	Pharmacology	3
HUMSV 134	Family Dynamics of Addiction	3
HUMSV 135	Prevention, Intervention and Recovery	3
HUMSV 140	Case Management in Public Service	3
HUMSV 179	Law and Ethics	3
One course from the following:		
HUMSV 170	Introduction to Social Work and Human Services	3
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
Required Field Work Courses:		
Prior to field work courses, students must complete at a minimum: HUMSV 130, HUMSV 136, and HUMSV 179.		
HUMSV 136	Addiction Studies: Basic Counseling I	3
HUMSV 137	Addiction Studies: Group Counseling II	3
HUMSV 230	Addiction Studies: Internship Seminar I	1
HUMSV 231	Addiction Studies: Internship Seminar II	1
HUMSV 232	Addiction Studies: Fieldwork I	2.5
HUMSV 233	Addiction Studies: Fieldwork II	2.5
Total Units		**40**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify the addiction field, theoretical models of treatment, evidenced based practices, clinical approaches, and ethical implications and professional responsibilities.
b. Describe the knowledge, skills, attitudes and competency in working with the diverse populations, those meeting the criteria for substance use disorders, families and community prevention and intervention efforts which make up the field of Addiction Counseling, and other critical skills and issues involved in becoming a state certified substance use disorder counselor.

Case Management in the Public Sector Certificate of Achievement

This certificate is designed to prepare students for entry-level employment in case management in public social services setting, including the fundamentals of organizational structure, funding, evaluation, assessment and referral, employment services, and career paths.

Code	Title	Units
Required Courses:		
HUMSV 140	Case Management in Public Service	3
HUMSV 167	Crisis Intervention	3
HUMSV 170	Introduction to Social Work and Human Services	3
HUMSV 173	Helping and Interpersonal Skills	3
Required Field Work Courses:		
HUMSV 170 must be completed prior to field work courses. Also, it is recommended that students complete two courses from: HUMSV 140, HUMSV 167, and HUMSV 173.		
HUMSV 195A	Social Work and Human Services Seminar I	1
or HUMSV 195B	Human Services: Intern Seminar II	
HUMSV 242	Case Management Fieldwork	2
Required General Education Courses:		
CIT 100	Introduction to Personal Computers	3
COMM C1004	Interpersonal Communication	3
or COMM C1004H	Interpersonal Communication - Honors	
COMM 174	Intercultural Communication	3
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
PSYC C1000	Introduction to Psychology	3

or PSYC C1000H	Introduction to Psychology - Honors
Total Units	**31**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate the applicable skill set for Case Management.
b. Demonstrate their understanding of goals, functions and organizational contemporary human service fields, evaluated by written or objective assessments.
c. Apply the ethical decision making steps to practical problems and practice learned ethical responsibilities in regard to special populations, scope of practice and the helping of those in human service fields, evaluated by written or objective assessments.

Human Services Associate of Arts Degree

To graduate with an Associate Degree with one of the following Human Services certificate specializations, (1) Addiction Studies, (2) Case Management in the Public Sector, or (3) Human Services, students must complete all of the requirements for the appropriate certificate with a grade of "C" or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).
Another option for students who want to graduate with an Associate Degree in Human Services, without one of the above certificate specializations, is to complete 18 units from the following required courses for the Human Services major plus the general education breadth requirements for the Associate Degree (minimum total=60 units).

Code	Title	Units
Required Courses:		
HUMSV 170	Introduction to Social Work and Human Services	3
HUMSV 172	Group and Family Dynamics	3
HUMSV 173	Helping and Interpersonal Skills	3
HUMSV 179	Law and Ethics	3
Two Courses from the Following:		
HUMSV 130	Introduction to Addiction Studies: Drugs, Health, and Society	3
HUMSV 131	Co-Occur Disorders	3
HUMSV 132	Diverse Populations	3
HUMSV 134	Family Dynamics of Addiction	3
HUMSV 135	Prevention, Intervention and Recovery	3
HUMSV 140	Case Management in Public Service	3
HUMSV 167	Crisis Intervention	3
Required Behavioral Foundation Course: (1 course)		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
Total Units		**21**

Students planning to transfer to a four-year institution and major in Human Services or a related field should consult with a counselor regarding the transfer process and lower division requirements.

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate an understanding of goals, functions and organizational contemporary human service fields, evaluated by written or objective assessments.
b. Demonstrate the applicable skill set in Humans Services.
c. Apply the ethical decision-making steps to practical problems and practice learned ethical responsibilities in regard to special populations, scope of practice and the helping of those in human service fields.

Human Services Certificate of Achievement

This certificate is designed to prepare students for entry-level employment in human services with a knowledge of intervention methodologies at the individual, group, and community levels.

Code	Title	Units
Required Courses:		
HUMSV 167	Crisis Intervention	3
HUMSV 170	Introduction to Social Work and Human Services	3
HUMSV 172	Group and Family Dynamics	3
HUMSV 173	Helping and Interpersonal Skills	3
HUMSV 179	Law and Ethics	3
One course from the following:		**3**
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
Two courses from the following:		**6**
HUMSV 130	Introduction to Addiction Studies: Drugs, Health, and Society	3
HUMSV 131	Co-Occur Disorders	3
HUMSV 132	Diverse Populations	3
HUMSV 134	Family Dynamics of Addiction	3
HUMSV 135	Prevention, Intervention and Recovery	3
HUMSV 140	Case Management in Public Service	3
HUMSV 147	Career Specialist	3
Required Field Work Courses:		

A minimum of four Human Services courses are required from: HUMSV 167, HUMSV 170, HUMSV 172, HUMSV 173, and HUMSV 179. [1]		
The following two courses are to be taken concurrently:		
HUMSV 195A	Social Work and Human Services Seminar I	1
HUMSV 198C	Social Work and Human Services Fieldwork I	2
The following two course are to be taken concurrently:		
HUMSV 195B	Human Services: Intern Seminar II	1
HUMSV 198D	Human Services Fieldwork II	2.5
One Course from the Following:		
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000	Introduction to Psychology - Honors	
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
Total Units		**33.5**

[1] Courses must be completed with a grade of C or better prior to field work courses.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate the applicable skill set in Humans Services.
b. Demonstrate their understanding of goals, functions and organizational contemporary human service fields, evaluated by written or objective assessments.
c. Apply the ethical decision making steps to practical problems and practice learned ethical responsibilities in regard to special populations, scope of practice and the helping of those in human service fields, evaluated by written or objective assessments.

Social Work and Human Services Assistant Certificate of Achievement

The Social Work and Human Service Assistant certificate prepares students for entry-level paraprofessional work opportunities in community agencies and can also create a pathway for the Social Work and Human Service AA-T transfer degree to pursue a bachelor's degree in social work, human services, and counseling practices.

Students learn effective case management skills, helping and interpersonal skills, and a general understanding overview of theories, skills and job opportunities in the social work and human service industry. Students will also learn about social work and human service ethical codes, morals, and laws, and consider how ethics and values guide the decision-making process and service delivery. Students will identify the role of the helper in advocacy for social justice with respect to all ethnicities and cultural backgrounds, and how to deliver equitable services for all populations. Service-based learning opportunities with an apprenticeship placement, personal growth and professional development are provided.

Code	Title	Units
Required Courses:		
HUMSV 167	Crisis Intervention	3
HUMSV 170	Introduction to Social Work and Human Services	3
HUMSV 173	Helping and Interpersonal Skills	3
HUMSV 140	Case Management in Public Service	3
HUMSV 195A	Social Work and Human Services Seminar I	1
or HUMSV 195B	Human Services: Intern Seminar II	
One course from the following:		
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
Total Units		**16**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify the goals, functions, organizational structures, evidenced-based practices, local governing laws, and ethical implications and responsibilities in the fields of Social Work and Human Services as assessed by written or objective assessments and on the job apprenticeship training.
b. Analyze and apply the skills and attitudes needed in working with the diverse populations which make up the fields of Social Work and Human Services with special regard to equity, accessibility ethnicity, gender, age, home and food insecurities, substance and mental health disorders, and other cultural and religious diversity, as assessed by written or objective assessments.

Social Work and Human Services Associate in Arts for Transfer Degree

The Associates in Arts in Social Work and Human Services for Transfer degree (AA-T in Social Work and Human Services) is designed to prepare students for transfer into the CSU system to complete a baccalaureate degree in Social Work and Human Services or similar major. Social Work and Human Services is an applied behavioral science that specializes in the application of learned skills and methods for helping people from many different social backgrounds. Social Work and Human Services students are expected to think critically about human behavior, to apply the principles of the behavioral sciences, and to understand the role of values in diverse cultural settings.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Social Work and Human Services AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").

- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Social Work and Human Services should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
HUMSV 170	Introduction to Social Work and Human Services	3
HUMSV 195A	Social Work and Human Services Seminar I [1]	1
HUMSV 198C	Social Work and Human Services Fieldwork I [1]	2
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000	Introduction to Psychology - Honors	
ECON 208	Business and Economic Statistics	4
or PSYC 105	Statistics for the Behavioral Sciences	
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
ECON C2001	Principles of Microeconomics	3
or ECON C2001	Principles of Microeconomics - Honors	
or ECON C2002	Principles of Macroeconomics	
or ECON C2002	Principles of Macroeconomics - Honors	
One course from the following or completion of BIOL 250 and BIOL 251:		
BIOL C1000	Introduction to Biology with Lab	4
or BIOL 260	Human Anatomy	
or BIOL 261	Human Physiology	
BIOL 250 & BIOL 251	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
List A - Two courses from the following:		
ADJUS 101	Introduction to Administration of Justice	3
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
CDEV 126	Child, Family, and the Community	3
COMM 174	Intercultural Communication	3
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001	Critical Thinking and Writing - Honors	
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
PSYC 110	Abnormal Psychology	3
PSYC 111	Developmental Psychology: Lifespan	3
HUMSV 130	Introduction to Addiction Studies: Drugs, Health, and Society	3
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	

Code	Title	Units
Major Total Units		**29-33**
Total Double-Counted Units		**19**
General Education (Cal-GETC) Units		**34**
Electives Units		**12-16**
Total Units		**60**

[1] *Students in the intern seminar and fieldwork classes must find and select an agency for their fieldwork hours before registering for these classes.*

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Describe social work and human services, outlining the evolution of social welfare and human services in the U.S.
b. Identify the legal, ethical, and professional responsibilities associated with social welfare delivery and explain the current service delivery system in which social work and human service clients' needs are met.
c. Recognize and understand the systems of oppression and privilege using critical thinking skills to envision ways to collaborate, negotiate, and advocate with and within social welfare institutions and organizations.

Inspection Technology

Construction and building inspectors ensure that new construction, changes, or repairs comply with local and national building codes and ordinances, zoning regulations, and contract specifications. Construction and building inspectors examine buildings, highways and streets, sewer and water systems, dams, bridges, and other structures. They also inspect electrical; heating, ventilation, air conditioning, and refrigeration (HVAC/R); and plumbing systems.

Although no two inspections are alike, inspectors do an initial check during the first phase of construction and follow-up inspections throughout the construction project. When the project is finished, they do a final, comprehensive inspection. Inspectors work alone or as part of a team. Some inspectors may have to climb ladders or crawl in tight spaces. Most work full time during regular business hours. Concern for public safety and a desire to improve the quality of construction are expected to spur employment growth in the field.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

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Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

- Inspection Technology Associate of Science Degree
- Inspection Technology Certificate of Achievement
- Inspection Technology Certificate of Completion

INSPEC 011 3 Units
Fundamentals of Construction Inspection: Soils and Concrete
Lecture: 54 contact hours
This course provides a basic study of soils engineering, soils construction methods, soils identification, soils terminology, concrete and asphalt including cements, aggregates, admixtures, job and batch control, properties of concrete, finishing, curing, reinforcing and nomenclature for inspectors.
Associate Degree Applicable

INSPEC 012 3 Units
Fundamentals of Construction Inspection: Wood, Steel, Masonry
Lecture: 54 contact hours
This course is a basic study of structures, including wood, steel, and masonry construction, building occupancies, construction and separations, acoustics and sound control.
Associate Degree Applicable

INSPEC 013 3 Units
Advanced Construction Inspection: International Building Code (IBC)
Lecture: 54 contact hours
This course provides for inspectors a study of the International Building Code (IBC) including application, interpretation, and use of the code.
Associate Degree Applicable

INSPEC 014 3 Units
Advanced Construction Inspection: National Electrical Code (NEC)
Lecture: 54 contact hours
This course provides an understanding of the National Electrical Code and a study of its applications.
Associate Degree Applicable

INSPEC 015 3 Units
Advanced Construction Inspection: Uniform Plumbing Code (UPC)
Lecture: 54 contact hours
This course is a study, interpretation and application of the CA Plumbing Code (CPC).
Associate Degree Applicable

INSPEC 016 3 Units
Advanced Construction Inspection: Uniform Mechanical Code (UMC)
Lecture: 54 contact hours
This course is a study of the requirements for the design, construction, installation and maintenance of heating, ventilating, cooling, refrigeration systems, incinerators and other heat-producing appliances required by the CA Mechanical Code (CMC).
Associate Degree Applicable

INSPEC 017 3 Units
California State Energy Regulations for Residential Buildings
Lecture: 54 contact hours
This course is a study of the basic compliance requirements of the California Title 24 Energy Efficiency Standards for residential buildings and the 2016 CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models.
Associate Degree Applicable

INSPEC 018 3 Units
California State Energy Regulations for Non-Residential Buildings
Lecture: 54 contact hours
This course studies basic compliance with California Title 24 Energy Efficiency Standards for non-residential buildings and CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models.
Associate Degree Applicable

INSPEC 026 3 Units
Non-Structural Plan Review
Lecture: 54 contact hours
This course provides training in the application of the CA Codes to construction drawings, including legal requirements for non-structural plan review, local, State, and Federal laws applicable to construction drawings, and the use of plan reviews as a first step in performing consistent and thorough inspections.
Associate Degree Applicable

INSPEC 027 3 Units
Structural Plan Review
Lecture: 54 contact hours
This is a basic study of simplified engineering that can be applied to both plan checking and field inspections.
Associate Degree Applicable

INSPEC 028 3 Units
California Residential Code
Lecture: 54 contact hours
This course provides building and safety personnel with a study of the California Residential Code (CRC) including application, interpretation, and use of the code.
Associate Degree Applicable

INSPEC 029 3 Units
Community Relations for Building Personnel
Lecture: 54 contact hours
This course covers the development of oral and written communication skills for code enforcement personnel and an introduction to community relations for civil service employees. Topics include the proper methods of dealing with different types of encounters that an inspector may have with do-it-yourself homeowners, contractors, developers, etc. and the legal aspects of code administration and enforcement.
Associate Degree Applicable

INSPEC 030 3 Units
Aspects of Building and Safety
Lecture: 54 contact hours
This course prepares students for the basic administrative functions of building and safety including: Title 25, Disabled access, staff roles, permit and plan checking, building inspection, and code enforcement.
Associate Degree Applicable

INSPEC 098 0.5-4 Units
Inspection Technology Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

INSPEC 611 Noncredit
Fundamentals of Construction Inspection: Soils and Concrete
Lecture: 54 contact hours
This noncredit course provides a basic study of soils engineering, soils construction methods, soils identification, soils terminology, concrete and asphalt including cements, aggregates, admixtures, job and batch control, properties of concrete, finishing, curing, reinforcing and nomenclature for inspectors.

INSPEC 612 Noncredit
Fundamentals of Construction Inspection: Wood, Steel, Masonry
Lecture: 54 contact hours
This noncredit course is a basic study of structures, including wood, steel, and masonry construction, building occupancies, construction and separations, acoustics and sound control.

INSPEC 613 Noncredit
Advanced Construction Inspection: International Building Code (IBC)
Lecture: 54 contact hours
This noncredit course provides for inspectors a study of the International Building Code (IBC) including application, interpretation, and use of the code.

INSPEC 614 Noncredit
Advanced Construction Inspection: National Electrical Code (NEC)
Lecture: 54 contact hours
This noncredit course provides an understanding of the National Electrical Code and a study of its applications.

INSPEC 615 Noncredit
Advanced Construction Inspection: Uniform Plumbing Code (UPC)
Lecture: 54 contact hours
This noncredit course is a study, interpretation and application of the CA Plumbing Code (CPC).

INSPEC 616 Noncredit
Advanced Construction Inspection: Uniform Mechanical Code (UMC)
Lecture: 54 contact hours
This noncredit course is a study of the requirements for the design, construction, installation and maintenance of heating, ventilating, cooling, refrigeration systems, incinerators and other heat-producing appliances required by the CA Mechanical Code (CMC).

INSPEC 617 Noncredit
California State Energy Regulations for Residential Buildings
Lecture: 54 contact hours
This noncredit course is a study of the basic compliance requirements of the California Title 24 Energy Efficiency Standards for residential buildings and the 2016 CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models.

INSPEC 618 Noncredit
California State Energy Regulations For Non-Residential Buildings
Lecture: 54 contact hours
This noncredit course studies basic compliance with California Title 24 Energy Efficiency Standards for non-residential buildings and CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models.

INSPEC 626 Noncredit
Non-Structural Plan Review
Lecture: 54 contact hours
This noncredit course provides training in the application of the CA Codes to construction drawings, including legal requirements for non-structural plan review, local, State, and Federal laws applicable to construction drawings, and the use of plan reviews as a first step in performing consistent and thorough inspections.

INSPEC 627 Noncredit
Structural Plan Review
Lecture: 54 contact hours
This is a noncredit basic study of simplified engineering that can be applied to both plan checking and field inspections.

INSPEC 628 Noncredit
California Residential Code
Lecture: 54 contact hours
This noncredit course provides building and safety personnel with a study of the California Residential Code (CRC) including application, interpretation, and use of the code.

INSPEC 629 Noncredit
Community Relations for Building Personnel
Lecture: 54 contact hours
This noncredit course covers the development of oral and written communication skills for code enforcement personnel and an introduction to community relations for civil service employees. Topics include the proper methods of dealing with different types of encounters that an inspector may have with do-it-yourself homeowners, contractors, developers, etc. and the legal aspects of code administration and enforcement.

INSPEC 630 Noncredit
Aspects of Building and Safety
Lecture: 54 contact hours
This noncredit course prepares students for the basic administrative functions of building and safety including: Title 25, Disabled access, staff roles, permit and plan checking, building inspection, and code enforcement.

Inspection Technology Associate of Science Degree

This degree is designed to prepare students for entry-level employment in construction inspection, International Code Council (ICC) certification examinations, and understanding of construction, alteration, or repair of buildings. Students will develop the skills to ensure compliance with building codes and ordinances, zoning regulations, and contract

specifications. To graduate with a specialization in Inspection Technology, students must complete the following required courses for the certificate plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
INSPEC 011	Fundamentals of Construction Inspection: Soils and Concrete	3
INSPEC 012	Fundamentals of Construction Inspection: Wood, Steel, Masonry	3
INSPEC 013	Advanced Construction Inspection: International Building Code (IBC)	3
INSPEC 014	Advanced Construction Inspection: National Electrical Code (NEC)	3
INSPEC 015	Advanced Construction Inspection: Uniform Plumbing Code (UPC)	3
INSPEC 016	Advanced Construction Inspection: Uniform Mechanical Code (UMC)	3
INSPEC 017	California State Energy Regulations for Residential Buildings	3
INSPEC 018	California State Energy Regulations for Non-Residential Buildings	3
INSPEC 026	Non-Structural Plan Review	3
INSPEC 027	Structural Plan Review	3
INSPEC 028	California Residential Code	3
INSPEC 029	Community Relations for Building Personnel	3
INSPEC 030	Aspects of Building and Safety	3
Total Units		**39**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Examine construction methods to verify local and state requirements are met.
b. Verify that construction (new, alteration, or repair) meets applicable building codes.
c. Read and analyze construction plans to determine compliance with local and state requirements.
d. Effectively and clearly communicate.
e. Understand and apply the California and National Building Codes.

Inspection Technology Certificate of Achievement

This certificate is designed to prepare students for entry-level employment in construction inspection, International Code Council (ICC) certification examinations, and understanding of construction, alteration, or repair of buildings. Students will develop the skills to ensure compliance with building codes and ordinances, zoning regulations, and contract specifications.

Code	Title	Units
Required Courses:		
INSPEC 011	Fundamentals of Construction Inspection: Soils and Concrete	3
INSPEC 012	Fundamentals of Construction Inspection: Wood, Steel, Masonry	3
INSPEC 013	Advanced Construction Inspection: International Building Code (IBC)	3
INSPEC 014	Advanced Construction Inspection: National Electrical Code (NEC)	3
INSPEC 015	Advanced Construction Inspection: Uniform Plumbing Code (UPC)	3
INSPEC 016	Advanced Construction Inspection: Uniform Mechanical Code (UMC)	3
INSPEC 017	California State Energy Regulations for Residential Buildings	3
INSPEC 018	California State Energy Regulations for Non-Residential Buildings	3
INSPEC 026	Non-Structural Plan Review	3
INSPEC 027	Structural Plan Review	3
INSPEC 028	California Residential Code	3
INSPEC 029	Community Relations for Building Personnel	3
INSPEC 030	Aspects of Building and Safety	3
Total Units		**39**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Examine construction methods to verify local and state requirements are met.
b. Verify that construction (new, alteration, or repair) meets applicable building codes.
c. Read and analyze construction plans to determine compliance with local and state requirements.
d. Effectively and clearly communicate.
e. Understand and apply the California and National Building Codes.

Inspection Technology Certificate of Completion

This noncredit certificate is designed to prepare students for entry-level employment in construction inspection, International Code Council (ICC) certification examinations, and understanding of construction, alteration, or repair of buildings. Students will develop the skills to ensure compliance with building codes and ordinances, zoning regulations, and contract specifications. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Code	Title	Units
Required Courses:		
INSPEC 611	Fundamentals of Construction Inspection: Soils and Concrete	0
INSPEC 612	Fundamentals of Construction Inspection: Wood, Steel, Masonry	0
INSPEC 613	Advanced Construction Inspection: International Building Code (IBC)	0
INSPEC 614	Advanced Construction Inspection: National Electrical Code (NEC)	0
INSPEC 615	Advanced Construction Inspection: Uniform Plumbing Code (UPC)	0
INSPEC 616	Advanced Construction Inspection: Uniform Mechanical Code (UMC)	0
INSPEC 617	California State Energy Regulations for Residential Buildings	0
INSPEC 618	California State Energy Regulations For Non-Residential Buildings	0
INSPEC 626	Non-Structural Plan Review	0
INSPEC 627	Structural Plan Review	0
INSPEC 628	California Residential Code	0
INSPEC 629	Community Relations for Building Personnel	0
INSPEC 630	Aspects of Building and Safety	0
Total Hours		**624-702**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Examine construction methods to verify local and state requirements are met.
b. Verify that construction (new, alteration, or repair) meets applicable building codes.
c. Read and analyze construction plans to determine compliance with local and state requirements.
d. Effectively and clearly communicate.
e. Understand and apply the California and National Building Codes.

Kinesiology and Health

Courses in the Kinesiology and Health Department are designed to increase students' skills in activities that produce physiological results and promote lifelong habits of fitness. Within this department, courses are grouped in two areas: Health Education and Kinesiology. Four-year graduates in Health Education and Kinesiology qualify for employment in private industry and recreational agencies and are prepared to seek teaching credentials in elementary or secondary education. Students planning to transfer to a four-year institution and major in kinesiology or related fields should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Kinesiology, Health, and Athletics

Division Phone Number: (909) 384-8603

Division Dean: Michael Cordero (mcordero@sbccd.edu), M.S.

Faculty Chair: Kristin Hauge (khauge@sbccd.edu), M.A.

Counselor Liaisons:

- Andre Wooten (awooten@sbccd.edu), M.S.
- Debbie Orozco (dorozco@sbccd.edu), M.A.

- Fitness Specialist Certificate of Achievement
- Kinesiology Associate in Arts for Transfer Degree
- Kinesiology Associate of Arts Degree
- Public Health Associate in Science for Transfer Degree

Health Education (HEALTH)

HEALTH 098 0.5-4 Units
Public Health Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

HEALTH 100 3 Units
Introduction to Public Health
Lecture: 54 contact hours
This course introduces the environmental, biological, and socio-cultural determinants of public health. Emphasizes workplace, personal health, community and school healthcare policy, management, environmental and the health disparities among minorities. Focus on environmental health, chronic disease, global and public Health. Examines the qualitative and quantitative research methodologies for studying epidemiology. Analyze the multiple chronic diseases, addictions, psychiatric disorders, and the challenges local and global health in protecting our planet.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PH 101

HEALTH 101 3 Units
Personal Health and Wellness
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college level English based on the SBVC Guided-Self Placement process.
This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include physical fitness components, nutrition, weight control, mental health, stress management, violence, substance abuse, disease prevention, aging, basic healthcare, and environmental hazards and safety.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PH 100

HEALTH 103 3 Units
Introduction to Holistic Health
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course explores health and healing practices involving theoretical, psychological, sociological, biological, historical, and cultural viewpoints. It delves into concepts and philosophies from traditional cultural healing systems and contemporary Western medicine through an interdisciplinary lens. The focus is on promoting health, preventing disease, and empowering individuals to advocate for their well-being with support from healthcare professionals. Topics encompass the history of Western medical practices, principles of indigenous healing systems, the influence of gender on healing, the impact of personality and emotions on health and disease, and the principles of integrative medicine.
Associate Degree Applicable
Transfers to both UC/CSU

HEALTH 104 3 Units
Women's Health
Lecture: 54 contact hours
This course analyzes the biological, psychological, and sociological aspects of women's health, with special emphasis on women cross-culturally. Topics focus on current trends in the prevention of chronic diseases and illnesses, the promotion of positive body image, and self-empowerment of women. Students will also explore the application of the lifespan of lifestyle changes to develop strategies to become self-advocates in promoting one's own well-being.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PH 116

HEALTH 113 3 Units
Social Determinants of Health, Disparities and Equities
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will examine personal and social determinants of health through the examination of the role individuals play in their own health and wellbeing, along with the impact of environmental, social, structural, and cultural factors that play a role both in individual and community and public health. Health disparities and inequities in sexually diverse, gender, racial, and minority populations will be explored, and culturally competent ideas to bridge the health equity gap and improve population health will be developed.
Associate Degree Applicable
Transfers to both UC/CSU

Kinesiology (KIN)

KIN 080 3 Units
Techniques of Weight Training
Lecture: 36 contact hours
Lab: 54 contact hours
This course is an introduction to teaching techniques in weight training. Topics include anatomy, physiology, training sequences, equipment options, safety factors, and contraindications. Modifications added as needed.
Associate Degree Applicable

KIN 081 3 Units
Exercise and Fitness Assessment
Lecture: 36 contact hours
Lab: 54 contact hours
This course prepares students to assess and evaluate exercise and fitness parameters. Topics include the measurement and evaluation of cardiorespiratory endurance, muscular strength and endurance, flexibility, body fat, pulmonary function, and blood pressure. Emphasis is placed on determining the appropriate test, conducting the test, interpreting the results, and creating an exercise program.
Associate Degree Applicable

KIN 098 0.5-4 Units
Kinesiology Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.
Associate Degree Applicable

KIN 101 3 Units
Sports Psychology
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of the psychological effects on the motor performance of athletes across all levels of competition. This course includes such areas as goal setting, motivation, anxiety and stress, relaxation, sport imagery, relationships, eating disorders and drug abuse.
Associate Degree Applicable
Transfers to both UC/CSU

KIN 104 3 Units
Exercise Nutrition
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides scientific information and the essential principles of a proper exercise and diet program needed to maintain healthy sports fitness and nutrition levels. Emphasis will be placed on athletic performance, exercise recovery, food quality, general health, energy transfer for exercise and the relationship between nutrition and exercise or athletic performance.
Associate Degree Applicable
Transfers to both UC/CSU

KIN 106 3 Units
Athletic Administration
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will serve as an overview of the field of athletic administration. Time will be spent exploring the current state of sports participation, the responsibilities administrators have and challenges they encounter across all levels of sport.
Associate Degree Applicable
Transfers to CSU only

KIN 200 3 Units
Introduction to Kinesiology
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This introductory course provides an interdisciplinary approach to the study of human movement. It provides an overview of the importance of the sub-disciplines in kinesiology that will be discussed along with career opportunities in the areas of sports fitness industry, allied health (physical/occupational/recreational therapy), sport/fitness management, and teaching/coaching.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: KIN 100

KIN 202 3 Units
History of Physical Education and Sport in the United States
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is designed to explore the evolution of sport and physical activity. Topics include historical and philosophical influences from ancient societies through the present.
Associate Degree Applicable
Transfers to both UC/CSU

KIN 203 3 Units
Theory of Coaching
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course explores the issues and problems facing the coach today. Topics include the philosophies, theories and principles of developing and maintaining an athletic program. This course is designed for coaches at various levels from youth to high school varsity.
Associate Degree Applicable
Transfers to both UC/CSU

KIN 205 3 Units
Sports Management
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will serve as an overview of the field of sports management. Time will be spent exploring the development of the industry, current state and future trends in the discipline through the lenses of amateur, professional and international sports.
Associate Degree Applicable
Transfers to CSU only

KIN 210 2 Units
Sports Officiating
Lecture: 36 contact hours
This course is designed to provide instruction on the rules, techniques, and mechanics of officiating the sports of soccer, football, basketball, and baseball.
Associate Degree Applicable
Transfers to both UC/CSU

KIN 222 1-3 Units
Independent Study in Kinesiology
DIR: 54 contact hours
Students with previous course work in Kinesiology/Physical Education may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Kinesiology/Physical Education. Prior to registration, a written contract must be prepared jointly by the instructor and the student. See instructor for details.
Associate Degree Applicable
Transfers to CSU only

KIN 231 3 Units
First Aid and CPR
Lecture: 54 contact hours
This course provides instruction on emergency care and treatment of illnesses and injuries including training in cardiopulmonary resuscitation (CPR) and automated external defibrillation (AED). Students who successfully pass all CPR/AED and First Aid requirements will receive a CPR/AED and First Aid card.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: KIN 101

KIN 232 3 Units
Prevention and Care of Athletic Injuries
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: KIN 231
This is an introductory course in the recognition, assessment, management, care, and prevention of injuries occurring during physical activities. Basic taping techniques, as well as the proper selection and use of treatment modalities, are included.
Associate Degree Applicable
Transfers to both UC/CSU

KIN 236 3 Units
Stress Management and Wellness
Lecture: 54 contact hours
This course explores theoretical and research-driven models of stress, the body's response to stress, and strategies for managing it. It highlights how stress impacts physical, mental, and social aspects across one's life. Subjects covered range from defining stress and understanding its long-term health effects to identifying symptoms, examining scientific findings, and presenting various evidence-supported methods for coping. These methods encompass assessment tools, exercise regimens, mindfulness practices like meditation and yoga, dietary considerations, weight management, and fostering healthy lifestyle habits to promote overall well-being.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PH 107

KIN 600 Noncredit
Helmet-Free Tackle Safety and Performance
Lecture: 18 contact hours
Lab: 36 contact hours
This noncredit course is designed to provide instruction on best practices, methods and techniques that identify and correct the physical mechanisms, antiquated tackling drills, and injurious terminology that lead to Crown first collisions in the act of making an American football tackle. This course develops a comprehensive understanding of the Helmet-Free-Tackle Training System, to eliminate helmet first collision and prevent potential self-inflicted concussion, head, neck, spinal cord, and catastrophic injury.

KIN 631 Noncredit
First Aid and CPR
Lecture: 14 contact hours
Lab: 8 contact hours
This noncredit course provides instruction on emergency care and treatment of illnesses and injuries, including training in cardiopulmonary resuscitation (CPR) and automated external defibrillation (AED). Students who successfully pass all CPR/AED and First Aid requirements will receive a CPR/AED and First Aid card.

Kinesiology - Adapted (KINA)

KINA 186A 1 Unit
Adapted: Beginning Stretching and Stress Reduction
Lab: 54 contact hours
This course is designed to teach students with disabilities how to improve range of motion for various muscles in the human body using beginning level stretching techniques. This course also teaches basic techniques for stress reduction. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 186B 1 Unit
Adapted: Intermediate Stretching and Stress Reduction
Lab: 54 contact hours
Departmental Recommendation: KINA 186A
This course is designed to teach students with disabilities how to improve range of motion for various muscles in the human body using intermediate level stretching techniques. This course also teaches intermediate level techniques for stress reduction. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 186C 1 Unit
Adapted: Advanced Stretching and Stress Reduction
Lab: 54 contact hours
Departmental Recommendation: KINA 186B
This course is designed to teach students with disabilities how to improve range of motion for various muscles in the human body using advanced stretching techniques. This course also teaches advanced techniques for stress reduction. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 187A 1 Unit
Adapted: Beginning Boxing for Fitness
Lab: 54 contact hours
This course is designed to teach students with disabilities beginning level boxing skills and techniques. Boxing movements and drills will be utilized to help students improve cardiovascular conditioning, muscular endurance, balance, flexibility, and coordination. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 187B 1 Unit
Adapted: Intermediate Boxing for Fitness
Lab: 54 contact hours
Departmental Recommendation: KINA 187A
This course is designed to teach students with disabilities intermediate level boxing skills and techniques. Boxing movements and drills will be utilized to help students improve cardiovascular conditioning, muscular endurance, balance, and coordination. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 187C 1 Unit
Adapted: Advanced Boxing for Fitness
Lab: 54 contact hours
Departmental Recommendation: KINA 187B
This course is designed to teach students with disabilities advanced level boxing skills and techniques. Boxing movements and drills will be utilized to help students improve cardiovascular conditioning, muscular endurance, balance, and coordination. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 188A 1 Unit
Adapted: Beginning Fitness and Conditioning
Lab: 54 contact hours
This course is designed to teach students with disabilities beginner level exercises to improve functional range of motion, muscular strength and cardiovascular endurance. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 188B 1 Unit
Adapted: Intermediate Fitness and Conditioning
Lab: 54 contact hours
Departmental Recommendation: KINA 188A
This course is designed to teach students with disabilities intermediate level exercise techniques to improve range of motion, muscular strength and cardiovascular endurance. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 188C 1 Unit
Adapted: Advanced Fitness and Conditioning
Lab: 54 contact hours
Departmental Recommendation: KINA 188B
This course is designed to teach students with disabilities advanced level exercises for maximizing range of motion, muscular strength and cardiovascular endurance. Designing and leading an exercise program is also taught. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 189A 1 Unit
Adapted: Beginning Resistance Training
Lab: 54 contact hours
This course is designed for students with disabilities. This course provides instruction in beginning level physical activities to improve muscular strength and endurance. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 189B 1 Unit
Adapted: Intermediate Resistance Training
Lab: 54 contact hours
Departmental Recommendation: KINA 189A
This course is designed for students with disabilities. This course provides instruction in intermediate level physical activities to improve muscular strength and endurance. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 189C 1 Unit
Adapted: Advanced Resistance Training
Lab: 54 contact hours
Departmental Recommendation: KINA 189B
This course is designed for students with disabilities. This course provides instruction in advanced level physical activities to improve muscular strength and endurance. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 190A 1 Unit
Adapted: Beginning Level Self-Defense
Lab: 54 contact hours
This course is designed to teach students with disabilities beginning level Krav Maga self-defense to help maintain or improve physical fitness and awareness. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 190B 1 Unit
Adapted: Intermediate Level Self-Defense
Lab: 54 contact hours
This course is designed to teach students with disabilities, an intermediate level Krav Maga self-defense. To help maintain or improve physical fitness and awareness. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

KINA 190C 1 Unit
Adapted: Advanced Level Self-Defense
Lab: 54 contact hours
This course is designed to teach students with disabilities, an advanced level Krav Maga self-defense. To help maintain or improve physical fitness and awareness. A completed adapted physical education participation form may be required prior to participation in this class.
Associate Degree Applicable
Transfers to both UC/CSU

Kinesiology - Athletics (KINX)

KINX 090X4 1-2 Units
Strength and Conditioning for Athletes I
Lab: 108 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This strength and conditioning course is designed for student-athletes and focuses on fundamental drills to enhance athletic performance. Through application of scientific principles and targeting key components of physical fitness, the course is specifically tailored to improve each athlete's performance. This course may be taken up to four times for credit.
Associate Degree Applicable

KINX 092X4 1 Unit
Resistance Training
Lab: 54 contact hours
This course introduces student-athletes to safe, effective resistance-training techniques. Using free weights and resistance machines, students will build foundational muscular strength and endurance. Instruction is personalized to support learners of all backgrounds, abilities, and experience levels. The course emphasizes an inclusive and equitable environment where training programs are tailored to individual needs, accessibility is prioritized, and all students are supported in developing confidence and competence in resistance exercise.
Associate Degree Applicable

KINX 110X3 3 Units
Intercollegiate Cross Country - Men
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is intended for members of the Men's Intercollegiate Cross-Country team, incorporating comprehensive instruction and training. Instruction focuses on developing essential skills, fostering knowledge, technique refinement, devising effective strategies, optimizing conditioning, and teamwork essential for success in intercollegiate cross-country competition. Emphasizing a commitment to Diversity, Equity, Inclusion, Anti-Racism, and Accessibility (DEIAA), the course provides a supportive and inclusive learning environment for all student athletes. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 111X3 3 Units
Intercollegiate Cross Country - Women
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is intended for members of the Women's Intercollegiate Cross-Country team, incorporating comprehensive instruction and training. Instruction focuses on developing essential skills, fostering knowledge, honing techniques, devising effective strategies, optimizing conditioning, and teamwork essential for success in intercollegiate cross-country competition. Emphasizing a commitment to Diversity, Equity, Inclusion, Anti-Racism, and Accessibility (DEIAA), the course provides a supportive and inclusive learning environment for all student athletes. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 112X3 3 Units
Intercollegiate Football - Offense
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is specifically designed for members of the Intercollegiate Football Offense team, incorporating comprehensive instruction and training to cultivate skills, knowledge, techniques, strategies, conditioning, and teamwork essential for success in intercollegiate football competition. Emphasizing a commitment to Diversity, Equity, Inclusion, Anti-Racism, and Accessibility (DEIAA), the course provides a supportive and inclusive learning environment for all student athletes. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 113X3 3 Units
Intercollegiate Football - Defense
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is specifically designed for members of the Intercollegiate Football Defense team, incorporating comprehensive instruction and training to cultivate skills, knowledge, techniques, strategies, conditioning, and teamwork essential for success in intercollegiate football competition. Emphasizing a commitment to Diversity, Equity, Inclusion, Anti-Racism, and Accessibility (DEIAA), the course provides a supportive and inclusive learning environment for all student athletes. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 114X3 3 Units
Intercollegiate Soccer - Men
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is designed for participants of the Men's Intercollegiate Soccer team, offering comprehensive instruction and training in the skills, knowledge, techniques, strategies, conditioning, and teamwork essential for success in intercollegiate soccer competition. Embracing the principles of Diversity, Equity, Inclusion, Anti-Racism, and Accessibility (DEIAA), the course cultivates an inclusive and supportive learning environment that values the diverse backgrounds and abilities of all team members. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 115X3 3 Units
Intercollegiate Soccer - Women
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is designed for participants of the Women's Intercollegiate Soccer team, offering comprehensive instruction and training in the skills, knowledge, techniques, strategies, conditioning, and teamwork essential for success in intercollegiate soccer competition. Embracing the principles of Diversity, Equity, Inclusion, Anti-Racism, and Accessibility (DEIAA), the course cultivates an inclusive and supportive learning environment that values the diverse backgrounds and abilities of all team members. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 116X3 3 Units
Intercollegiate Volleyball - Women
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is designed specifically for members of the Women's Intercollegiate Volleyball team, emphasizing inclusivity through a Diversity, Equity, Inclusion, Anti-Racism, and Accessibility (DEIAA) lens. Participants will receive comprehensive instruction and training covering essential techniques, strategic approaches, conditioning principles, and teamwork dynamics crucial for successful engagement in intercollegiate volleyball competition. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 120X4 1.5 Units
Intercollegiate Basketball - Men
Lab: 81 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course, embracing Diversity, Equity, Inclusion, Anti-Racism and Accessibility (DEIAA) principles, is tailored for members of the Men's Intercollegiate Basketball team. It aims to deliver comprehensive instruction and training covering essential skills, knowledge, techniques, strategies, conditioning, and teamwork necessary for successful participation in intercollegiate basketball competition. This course may be taken four times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 121X4 1.5 Units
Intercollegiate Basketball - Women
Lab: 81 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course, embracing Diversity, Equity, Inclusion, Anti-Racism and Accessibility (DEIAA) principles, is tailored for members of the Women's Intercollegiate Basketball team. It aims to deliver comprehensive instruction and training covering essential skills, knowledge, techniques, strategies, conditioning, and teamwork necessary for successful participation in intercollegiate basketball competition. This course may be taken four times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 130X3 3 Units
Intercollegiate Baseball
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is designed for members of the Intercollegiate Baseball Team, with a commitment to Diversity, Equity, Inclusion, and Accessibility (DEIA). It offers comprehensive instruction and training covering various aspects crucial for intercollegiate baseball competition. Participants will receive guidance on essential skills, knowledge, techniques, strategies, conditioning, and fostering teamwork within a DEIA framework, ensuring a supportive and inclusive environment for all team members. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 131X3 3 Units
Intercollegiate Softball
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is designed for members of the Intercollegiate Softball Team, with a commitment to Diversity, Equity, Inclusion, and Accessibility (DEIA). It offers comprehensive instruction and training covering various aspects crucial for intercollegiate softball competition. Participants will receive guidance on essential skills, knowledge, techniques, strategies, conditioning, and fostering teamwork within a DEIA framework, ensuring a supportive and inclusive environment for all team members. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 132X3 3 Units
Intercollegiate Track and Field - Men
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is designed for members of the Men's Intercollegiate Track and Field team, preparing them with the necessary skills, knowledge, techniques, strategies, conditioning, and teamwork essential for success in intercollegiate track and field competition. In line with our commitment to diversity, equity, inclusion, and accessibility (DEIA), the course ensures that all team members receive equitable opportunities for learning and growth, fostering an inclusive environment where each athlete's unique strengths contribute to the collective success of the team. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

KINX 133X3 3 Units
Intercollegiate Track and Field - Women
Lab: 162 contact hours
Limitation on Enrollment: Enrollment is based on a successful tryout.
This course is designed for members of the Women's Intercollegiate Track and Field team, preparing them with the necessary skills, knowledge, techniques, strategies, conditioning, and teamwork essential for success in intercollegiate track and field competition. In line with our commitment to diversity, equity, inclusion, and accessibility (DEIA), the course ensures that all team members receive equitable opportunities for learning and growth, fostering an inclusive environment where each athlete's unique strengths contribute to the collective success of the team. This course may be taken three times for credit.
Associate Degree Applicable
Transfers to both UC/CSU

Kinesiology - Coaching (KINCO)

KINCO 601 Noncredit
Fundamentals of Coaching
Lecture: 16 contact hours
This noncredit course introduces students to the fundamentals of coaching, covering key principles, essential skills such as active listening and questioning, the recognition of coaching opportunities, ethical and strategies to promote our commitment to Diversity, Equity, Inclusion, Anti-Racism, and Accessibility (DEIAA), in the classroom and on the field. By the end of the course, students will be equipped to engage confidently in basic coaching conversations.

Kinesiology - Fitness (KINF)

KINF 100A 1 Unit
Beginning Pilates Mat
Lab: 54 contact hours
This course provides beginning level Pilates technique instruction in alignment and correctives including mat work that emphasizes beginning level exercises for improved body alignment, strength, flexibility, control, coordination and breathing.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 100B 1 Unit
Intermediate Pilates Mat
Lab: 54 contact hours
Prerequisite: KINF 100A
This course provides intermediate level Pilates technique instruction in alignment and correctives including mat work that emphasizes exercises for improved body alignment, strength, flexibility, control, coordination and breathing. In addition, breathing patterns and spinal alignment are taught to reduce injury and improve health.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 100C 1 Unit
Advanced Pilates Mat
Lab: 54 contact hours
Prerequisite: KINF 100B
This course provides advanced Pilates technique instruction in alignment and correctives including mat work, advanced yoga and strength training. In addition, review of technique will focus on continued improvement of strength and flexibility with minimal stress to the body.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 101A 1 Unit
Beginning Boxing for Fitness
Lab: 54 contact hours
This course is designed to teach beginning level boxing skills and techniques. Boxing movements and drills will be utilized to help students improve cardiovascular conditioning, muscular endurance, balance, and coordination.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 101B 1 Unit
Intermediate Boxing for Fitness
Lab: 54 contact hours
Departmental Recommendation: KINF 101A
This course is designed to teach intermediate level boxing skills and techniques. Boxing movements and drills will be utilized to help students improve cardiovascular conditioning, muscular endurance, balance, and coordination.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 101C 1 Unit
Advanced Boxing for Fitness
Lab: 54 contact hours
Departmental Recommendation: KINF 101B
This course is designed to teach advanced level boxing skills and techniques. Boxing movements and drills will be utilized to help students improve cardiovascular conditioning, muscular endurance, balance, and coordination.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 102A 1 Unit
Beginning Spinning
Lab: 54 contact hours
Beginning spinning is an indoor, group stationary cycling program that integrates music, camaraderie, and visualization in a complete body-mind exercise routine. The philosophy of being mentally and physically fit is the basis of spinning. Spinning emphasizes everyone's individual needs, regardless of athletic ability while being taught in a group atmosphere.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 102B 1 Unit
Intermediate Spinning
Lab: 54 contact hours
Departmental Recommendation: KINF 102A
Intermediate spinning is an indoor, group stationary cycling program that integrates music, camaraderie, and visualization in a complete body-mind exercise routine. New techniques will be introduced with an emphasis on building an aerobic base, increasing anaerobic thresholds and sustainability.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 102C 1 Unit
Advanced Spinning
Lab: 54 contact hours
Departmental Recommendation: KINF 102B
Advanced spinning is an indoor, group stationary cycling program that integrates music, camaraderie, and visualization in a complete body-mind exercise routine. Review of technique will focus on continued improvement of aerobic and anaerobic levels and increased sustainability. In addition, advanced core exercises and relaxation techniques will be utilized within the workouts.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 105A 1 Unit
Beginning Low Impact Aerobics
Lab: 54 contact hours
This course is designed to teach basic fitness concepts and beginning level movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 105B 1 Unit
Intermediate Low Impact Aerobics
Lab: 54 contact hours
Departmental Recommendation: KINF 105A
This course is designed to teach intermediate level fitness concepts and movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. Students will also learn how to design a basic step aerobics program.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 105C 1 Unit
Advanced Low Impact Aerobics
Lab: 54 contact hours
Departmental Recommendation: KINF 105B
This course is designed to teach advanced level fitness concepts and movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. Students will also learn how to design an intermediate level step aerobics program.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 108A 1 Unit
Beginning Weight Training
Lab: 54 contact hours
The course is designed to teach beginning level students safe and proper technique for resistance exercises. Students will use free weights and universal machines to develop muscle strength and endurance. Students of all ability levels will receive individual instruction and personally tailored programs.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 108B 1 Unit
Intermediate Weight Training
Lab: 54 contact hours
Departmental Recommendation: KINF 108A
The course is designed to teach safe and proper intermediate level techniques for resistance exercises, including multi-joint movements. Students will use free weights and universal machines to develop muscle strength and endurance. Students of all ability levels will receive individual instruction and create personally tailored programs.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 108C 1 Unit
Advanced Weight Training
Lab: 54 contact hours
Departmental Recommendation: KINF 108B
The course is designed to teach safe and proper advanced level technique for resistance exercises. Students will use free weights, Olympic platforms, and universal machines to develop muscle strength and endurance through multi-joint and Olympic lift exercises. Students of all ability levels will receive individual instruction and create personally tailored programs.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 112A 1 Unit
Beginning Body Conditioning
Lab: 54 contact hours
This course is designed to teach beginner level fitness concepts and movement skills to improve overall cardiovascular fitness, as well as muscular strength and endurance. Instruction will be modified to accommodate students of all fitness and skill levels.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 112B 1 Unit
Intermediate Body Conditioning
Lab: 54 contact hours
Departmental Recommendation: KINF 112A
This course is designed to teach intermediate level fitness concepts and movement skills to improve overall cardiovascular fitness, as well as muscular strength and endurance.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 112C 1 Unit
Advanced Body Conditioning
Lab: 54 contact hours
Departmental Recommendation: KINF 112B
This course is designed to teach advanced level fitness concepts and movement skills to improve overall cardiovascular fitness, as well as muscular strength and endurance.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 115A 1 Unit
Beginning HIIT
Lab: 54 contact hours
This beginning-level High Intensity Interval Training (HIIT) course is designed for students to improve their overall health. Students will begin with short intervals of exercise and recovery, while introducing the knowledge of the five physical fitness components.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 115B 1 Unit
Intermediate HIIT
Lab: 54 contact hours
Prerequisite: KINF 115A
This intermediate level High Intensity Interval Training (HIIT) course is designed for students to participate in a comprehensive fitness program with an emphasis on increasing work-to-recovery ratio to improve overall health, gain strength and increase energy.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 115C 1 Unit
Advanced HIIT
Lab: 54 contact hours
Prerequisite: KINF 115B
This advanced-level High Intensity Interval Training (HIIT) course is designed for students to participate in a rigorous exercise program to increase cardiovascular endurance, muscle strength, agility, and coordination.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 127A 1 Unit
Beginning Walking for Fitness
Lab: 54 contact hours
The course is designed to help improve cardiovascular endurance and overall fitness through walking. Beginning level training principles and proper technique will be taught to promote this lifelong activity.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 127B 1 Unit
Intermediate Walking for Fitness
Lab: 54 contact hours
Departmental Recommendation: KINF 127A
The course is designed to help improve cardiovascular endurance and overall fitness through walking. Intermediate level training principles, technique and program design will be taught to promote this lifelong activity.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 127C 1 Unit
Advanced Walking for Fitness
Lab: 54 contact hours
Departmental Recommendation: KINF 127B
The course is designed to help improve cardiovascular endurance and overall fitness through walking. Advanced level training principles, technique program design and injury prevention and care will be taught to promote this lifelong activity.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 132A 1 Unit
Beginning Distance Running
Lab: 54 contact hours
In this course, students will learn beginner level skills, techniques, and strategies of distance running. Instruction will focus on improving the student's running efficiency, cardiovascular fitness, and distance running knowledge.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 132B 1 Unit
Intermediate Distance Running
Lab: 54 contact hours
Departmental Recommendation: KINF 132A
In this course, students will learn intermediate level skills, techniques, and strategies of distance running. Instruction will focus on improving the student's running efficiency, cardiovascular fitness, running biomechanics and strategy development.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 132C 1 Unit
Advanced Distance Running
Lab: 54 contact hours
Departmental Recommendation: KINF 132B
In this course, students will learn advanced level skills, techniques, and strategies of distance running. Instruction will focus on maximizing running efficiency, improving cardiovascular fitness, and practicing various race strategies.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 138A 1 Unit
Beginning Physical Fitness
Lab: 54 contact hours
This course is a structured exercise class designed to help students participate in a beginning level exercise program including cardiovascular endurance, muscular strength and flexibility training. Instructor guided equipment orientation, fitness testing, and exercise technique are provided.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 138B 1 Unit
Intermediate Physical Fitness
Lab: 54 contact hours
Departmental Recommendation: KINF 138A
The course is a structured exercise class designed to help intermediate level students develop and participate in a balanced exercise program including cardiovascular endurance, muscular strength and flexibility training. Instructor guided equipment orientation, fitness testing, exercise technique, and individualized programming are provided.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 138C 1 Unit
Advanced Physical Fitness
Lab: 54 contact hours
Departmental Recommendation: KINF 138B
This course is a structured exercise class designed to help advanced level students develop a balanced exercise program including cardiovascular endurance, muscular strength and flexibility training. Instructor guided equipment orientation, fitness testing, exercise technique, and individualized programming are provided.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 142A 1 Unit
Beginning Conditioning for Sports
Lab: 54 contact hours
This course is designed to teach beginning level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 142B 1 Unit
Intermediate Conditioning for Sports
Lab: 54 contact hours
Departmental Recommendation: KINF 142A
This course is designed to teach intermediate level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 142C 1 Unit
Advanced Conditioning for Sports
Lab: 54 contact hours
Departmental Recommendation: KINF 142B
This course is designed to teach advanced level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 154A 1 Unit
Beginning Hiking for Fitness
Lab: 54 contact hours
This beginning level course explores hiking as a lifelong fitness activity to promote cardiovascular health and general well-being. Techniques are suitable for individuals of all ages and fitness levels and various hiking routes on an off campus will be utilized.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 154B 1 Unit
Intermediate Hiking for Fitness
Lab: 54 contact hours
Departmental Recommendation: KINF 154A
This course includes instruction in designing intermediate hiking programs for specific goals such as cardiovascular fitness, muscular endurance, core and leg strength. Using various hiking routes on and off campus, route planning, map reading, safety protocols, trail marking, and environmental considerations will be introduced.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 154C 1 Unit
Advanced Hiking for Fitness
Lab: 54 contact hours
Departmental Recommendation: KINF 154B
This course includes instruction in designing advanced, faster paced hiking programs for specific goals such as cardiovascular fitness, muscular endurance, core, and leg strength. Various hikes on and off campus will be utilized. Progressive activities such as evening hikes, overnight hikes and backpacking will be introduced to further increase options for lifelong fitness activities.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 168A 1 Unit
Beginning Yoga
Lab: 54 contact hours
This course is designed to introduce and practice beginning level Hatha Yoga. Improvement in balance, flexibility, muscle strength and endurance will be introduced. Meditation, breathing and relaxation techniques will be employed to assist in stress reduction.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 168B 1 Unit
Intermediate Yoga
Lab: 54 contact hours
Departmental Recommendation: KINF 168A
This activity course is designed to teach the practice of intermediate level Hatha Yoga. Improvement in balance, flexibility, muscle strength and endurance will be emphasized. Meditation, breathing and relaxation techniques will be employed to assist in stress reduction.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 168C 1 Unit
Advanced Yoga
Lab: 54 contact hours
Departmental Recommendation: KINF 168B
This activity course is designed to teach students advanced level Hatha Yoga as well as creating and leading a yoga flow sequence. Maximizing balance, flexibility, muscle strength and endurance will be emphasized. Meditation, breathing and relaxation techniques will be employed to assist in stress reduction.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 184A 1 Unit
Beginning Karate
Lab: 54 contact hours
This course provides beginning level Karate technique instruction needed for the art of unarmed defense while also developing speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control.
Associate Degree Applicable
Transfers to CSU only

KINF 184B 1 Unit
Intermediate Karate
Lab: 54 contact hours
This course provides intermediate level Karate technique instruction needed for the art of unarmed defense while also increasing speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control.
Associate Degree Applicable
Transfers to CSU only

KINF 184C 1 Unit
Advanced Karate
Lab: 54 contact hours
This course provides advanced level Karate technique instruction needed for the art of unarmed self-defense while also mastering speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control.
Associate Degree Applicable
Transfers to CSU only

KINF 190A 1 Unit
Beginning Tai Chi
Lab: 54 contact hours
This course is designed to study and practice Tai Chi at the beginning level. The history, research, and benefits of Tai Chi will be examined, and the basic 12 forms of Tai Chi will be explored. The course will include individual and group instruction and practice.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 190B 1 Unit
Intermediate Tai Chi
Lab: 54 contact hours
Departmental Recommendation: KINF 190A
This course is designed to study and practice Tai Chi at the intermediate level. The benefits of Tai Chi will be examined, and the basic 24 forms of Tai Chi will be explored. The course will include individual and group instruction and practice.
Associate Degree Applicable
Transfers to both UC/CSU

KINF 190C 1 Unit
Advanced Tai Chi
Lab: 54 contact hours
Departmental Recommendation: KINF 190B
This course is designed to study and practice Tai Chi at the advanced level. The relationship between Tai Chi and well-being will be examined, and the basic 42 forms of Tai Chi will be explored. The course will include individual and group instruction and practice.
Associate Degree Applicable
Transfers to both UC/CSU

Kinesiology - Team (KINS)

KINS 100A 1 Unit
Beginning Baseball
Lab: 54 contact hours
This course is designed to teach beginning level skills, techniques, strategies, etiquette, and rules of baseball.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 100B 1 Unit
Intermediate Baseball
Lab: 54 contact hours
Departmental Recommendation: KINS 100A
This course is designed to teach intermediate level skills, techniques, strategies, etiquette, and rules of baseball.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 100C 1 Unit
Advanced Baseball
Lab: 54 contact hours
Departmental Recommendation: KINS 100B
This course is designed to teach advanced level skills, techniques, strategies, etiquette, and rules of baseball.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 101A 1 Unit
Beginning Flag Football - Women's
Lab: 54 contact hours
This course will teach the fundamental skills and strategies of the sport, including throwing, catching, running with the ball, and basic rules. The curriculum likely covers aspects of offensive and defensive play, along with personal safety and sportsmanship.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 101B 1 Unit
Intermediate Flag Football - Women's
Lab: 54 contact hours
Departmental Recommendation: KINS 101A
This course will teach the fundamental skills and strategies of the sport, including throwing, catching, running with the ball, and basic rules. The curriculum likely covers aspects of offensive and defensive play, along with personal safety and sportsmanship.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 101C 1 Unit
Advanced Flag Football - Women's
Lab: 54 contact hours
Departmental Recommendation: KINS 101B
This course will teach the fundamental skills and strategies of the sport, including throwing, catching, running with the ball, and basic rules. The curriculum likely covers aspects of offensive and defensive play, along with personal safety and sportsmanship.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 103A 1 Unit
Beginning Badminton
Lab: 54 contact hours
This course will provide beginning level instruction in the skills, techniques, strategies, etiquette and rules of badminton. With the application of these techniques and practice, students will improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 103B 1 Unit
Intermediate Badminton
Lab: 54 contact hours
Departmental Recommendation: KINS 103A
This course will provide instruction in the skills, techniques and strategies of badminton at the intermediate level of performance. With the application of these techniques and practice, students will improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 103C 1 Unit
Advanced Badminton
Lab: 54 contact hours
Departmental Recommendation: KINS 103B
This course will provide instruction in the skills, techniques and strategies of badminton at an advanced level of performance. With the application of these techniques and practice, students will improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 104A 1 Unit
Beginning Basketball
Lab: 54 contact hours
This course is designed to teach the skills, techniques, strategies, etiquette and rules of basketball at a beginning level of performance. Students may also improve their overall physical fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 104B 1 Unit
Intermediate Basketball
Lab: 54 contact hours
Departmental Recommendation: KINS 104A
This course is designed to teach the skills, techniques, strategies, etiquette and rules of basketball at an intermediate level of performance. Students may also improve their overall physical fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 104C 1 Unit
Advanced Basketball
Lab: 54 contact hours
Departmental Recommendation: KINS 104B
This course is designed to teach the skills, techniques, strategies, etiquette and rules of basketball at an advanced level of performance. Students may also improve their overall physical fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 107A 1 Unit
Beginning Ultimate Frisbee
Lab: 54 contact hours
This course is designed to teach beginning level skills, strategies, and rules of Ultimate Frisbee. The offensive and defensive skills and strategies needed for team play, as well as the importance of sportsmanship, will be emphasized. Students will be taught in a group atmosphere and may improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 107B 1 Unit
Intermediate Ultimate Frisbee
Lab: 54 contact hours
This course is designed to teach intermediate level skills, strategies, and rules of Ultimate Frisbee. The offensive and defensive skills and strategies needed for team play, as well as the importance of sportsmanship, will be emphasized. Students will be taught in a group atmosphere and may improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 107C 1 Unit
Advanced Ultimate Frisbee
Lab: 54 contact hours
This course is designed to teach advanced level skills, strategies, and rules of Ultimate Frisbee. The offensive and defensive skills and strategies needed for team play, as well as the importance of sportsmanship, will be emphasized. Students will be taught in a group atmosphere and may improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 108A 1 Unit
Beginning Football
Lab: 54 contact hours
This activity course is designed to introduce students to the skills, techniques, strategy, rules as well as ethics of football at the beginner level.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 108B 1 Unit
Intermediate Football
Lab: 54 contact hours
Departmental Recommendation: KINS 108A
This activity course is designed to introduce students to the skills, techniques, strategy, rules as well as ethics of football at the intermediate level.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 108C 1 Unit
Advanced Football
Lab: 54 contact hours
Departmental Recommendation: KINS 108B
This activity course is designed to introduce students to the skills, techniques, strategy, rules as well as ethics of football at the advanced level.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 110A 1 Unit
Beginning Futsal
Lab: 54 contact hours
This course is designed to teach beginning level skills, strategies, and rules of futsal, as well as individual and team strategies for game play.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 110B 1 Unit
Intermediate Futsal
Lab: 54 contact hours
Prerequisite: KINS 110A
This course is designed to teach intermediate level skills and strategies of futsal, as well as individual and team strategies for game play. This course also introduces tactical strategies for each position as well as formations and styles of play.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 110C 1 Unit
Advanced Futsal
Lab: 54 contact hours
Prerequisite: KINS 110B
This course is designed to teach advanced level skills and strategies of futsal, as well as the mental skills needed for competitive play. Students will also analyze game tactics and evaluate strategies for strengthening personal and team performance.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 112A 1 Unit
Beginning Indoor Soccer
Lab: 54 contact hours
This course is designed to teach beginning level rules, skills and techniques of indoor soccer, as well as individual and team strategies for game play.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 112B 1 Unit
Intermediate Indoor Soccer
Lab: 54 contact hours
Prerequisite: KINS 112A
This course is designed to teach intermediate level skills and techniques of indoor soccer, as well as individual and team strategies for game play.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 112C 1 Unit
Advanced Indoor Soccer
Lab: 54 contact hours
Prerequisite: KINS 112B
This course is designed to teach advanced level skills and techniques of indoor soccer, as well as individual and team strategies for game play.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 116A 1 Unit
Beginning Soccer
Lab: 54 contact hours
This course will provide beginning level instruction in the skills, techniques, strategies and rules of soccer. With the application of these techniques and practice, students may also improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 116B 1 Unit
Intermediate Soccer
Lab: 54 contact hours
Departmental Recommendation: KINS 116A
This course will provide instruction in the skills, techniques and strategies of soccer at the intermediate level of performance. With the application of these techniques and practice, students may also improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 116C 1 Unit
Advanced Soccer
Lab: 54 contact hours
Departmental Recommendation: KINS 116B
This course will provide instruction in the skills, techniques and strategies of soccer at the advanced level of performance. With the application of these techniques and practice, students may also improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 120A 1 Unit
Beginning Softball
Lab: 54 contact hours
This course will provide instruction in the skills, techniques, strategies, etiquette and rules of softball at the beginner level of performance. With the application of these techniques and practice, students will improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 120B 1 Unit
Intermediate Softball
Lab: 54 contact hours
Departmental Recommendation: KINS 120A
This course will provide instruction in the skills, techniques, strategies, etiquette and rules of softball at the intermediate level of performance. With the application of these techniques and practice, students will improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 120C 1 Unit
Advanced Softball
Lab: 54 contact hours
Departmental Recommendation: KINS 120B
This course will provide instruction in the skills, techniques, strategies, etiquette and rules of softball at an advanced level of performance. With the application of these techniques and practice, students will improve their overall fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 124A 1 Unit
Beginning Volleyball
Lab: 54 contact hours
This course is designed to teach the skills, techniques, strategies, etiquette and rules of volleyball at the beginning level of performance. Students may also improve their overall physical fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 124B 1 Unit
Intermediate Volleyball
Lab: 54 contact hours
Departmental Recommendation: KINS 124A
This course is designed to teach the skills, techniques, strategies, etiquette and rules of volleyball at an intermediate level of performance. Students may also improve their overall physical fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 124C 1 Unit
Advanced Volleyball
Lab: 54 contact hours
Departmental Recommendation: KINS 124B
This course is designed to teach the skills, techniques, strategies, etiquette and rules of volleyball at an advanced level of performance. Students may also improve their overall physical fitness.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 150A 1 Unit
Beginning Table Tennis
Lab: 54 contact hours
This course is designed to teach beginning table tennis skills and techniques. Emphasis on basic skill development, rules, strategies, safety, and etiquette necessary to play both competitively and recreationally.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 150B 1 Unit
Intermediate Table Tennis
Lab: 54 contact hours
Departmental Recommendation: KINS 150A
This course is designed to teach intermediate table tennis skills and techniques. Emphasis on basic skill development, rules, strategies, safety, and etiquette necessary to play both competitively and recreationally.
Associate Degree Applicable
Transfers to both UC/CSU

KINS 150C 1 Unit
Advanced Table Tennis
Lab: 54 contact hours
Departmental Recommendation: KINS 150B
This course is designed to teach advanced table tennis skills and techniques. Emphasis on basic skill development, rules, strategies, safety, and etiquette necessary to play both competitively and recreationally.
Associate Degree Applicable
Transfers to both UC/CSU

Fitness Specialist Certificate of Achievement

The Fitness Specialist Certificate is designed to prepare students for employment as fitness instructors and a career in the rapidly expanding health and fitness industry. Students will gain academic knowledge and fitness skills through the required course work, as well as develop the skills necessary to apply this knowledge in a vocational setting. The curriculum has been designed to equip the student with a scientific background, both theoretical and practical, to successfully customize fitness programs that include education and guidance on nutrition, weight control, exercise physiology, flexibility, core strength, cardiovascular exercise, and resistance training.

Code	Title	Units
Required Courses:		
KIN 080	Techniques of Weight Training	3
KIN 081	Exercise and Fitness Assessment	3
KIN 101	Sports Psychology	3
KIN 104	Exercise Nutrition	3
KIN 231	First Aid and CPR	3
Work Experience - Complete a minimum of one unit from the following:		
KIN 098	Kinesiology Work Experience	0.5-4
Total Units		**16-19**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Select safe and effective exercise practices.
b. Develop and implement group and individual exercise programs.
c. Explain how human anatomy, physiology, and nutrition applies to physical fitness.
d. Apply and demonstrate exercise testing skills and techniques to real world situations, such as individual client fitness assessments.
e. Develop specialized fitness programs to meet the needs of the targeted individual.

Kinesiology Associate of Arts Degree

The Kinesiology Associate of Arts Degree provides students with an education in the core aspects of the Exercise of Science, Pedagogical, and Health and Human Performance. Lecture and laboratory course content offers a comprehensive understanding of the human body and wellness. This degree will prepare students to transfer to a 4-year institution, enter the workforce, and establish lifelong healthy and fit lifestyle habits.

Code	Title	Units
Required Courses:		
KIN 200	Introduction to Kinesiology	3
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
Health - One course:		
HEALTH 100	Introduction to Public Health	3
HEALTH 101	Personal Health and Wellness	3
HEALTH 103	Introduction to Holistic Health	3
HEALTH 104	Women's Health	3
HEALTH 113	Social Determinants of Health, Disparities and Equities	3

Biology - One course sequence:		**8**
BIOL 250 & BIOL 251	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
BIOL 260 & BIOL 261	Human Anatomy and Human Physiology	8
Kinesiology - Fitness: One Course from the Following: (1 unit minimum)		**1**
KINF 100A	Beginning Pilates Mat	1
KINF 100B	Intermediate Pilates Mat	1
KINF 100C	Advanced Pilates Mat	1
KINF 101A	Beginning Boxing for Fitness	1
KINF 101B	Intermediate Boxing for Fitness	1
KINF 101C	Advanced Boxing for Fitness	1
KINF 102A	Beginning Spinning	1
KINF 102B	Intermediate Spinning	1
KINF 102C	Advanced Spinning	1
KINF 105A	Beginning Low Impact Aerobics	1
KINF 105B	Intermediate Low Impact Aerobics	1
KINF 105C	Advanced Low Impact Aerobics	1
KINF 108A	Beginning Weight Training	1
KINF 108B	Intermediate Weight Training	1
KINF 108C	Advanced Weight Training	1
KINF 112A	Beginning Body Conditioning	1
KINF 112B	Intermediate Body Conditioning	1
KINF 112C	Advanced Body Conditioning	1
KINF 115A	Beginning HIIT	1
KINF 115B	Intermediate HIIT	1
KINF 115C	Advanced HIIT	1
KINF 127A	Beginning Walking for Fitness	1
KINF 127B	Intermediate Walking for Fitness	1
KINF 127C	Advanced Walking for Fitness	1
KINF 132A	Beginning Distance Running	1
KINF 132B	Intermediate Distance Running	1
KINF 132C	Advanced Distance Running	1
KINF 138A	Beginning Physical Fitness	1
KINF 138B	Intermediate Physical Fitness	1
KINF 138C	Advanced Physical Fitness	1
KINF 142A	Beginning Conditioning for Sports	1
KINF 142B	Intermediate Conditioning for Sports	1
KINF 142C	Advanced Conditioning for Sports	1
KINF 154A	Beginning Hiking for Fitness	1
KINF 154B	Intermediate Hiking for Fitness	1
KINF 154C	Advanced Hiking for Fitness	1
KINF 168A	Beginning Yoga	1
KINF 168B	Intermediate Yoga	1
KINF 168C	Advanced Yoga	1
KINF 184A	Beginning Karate	1
KINF 184B	Intermediate Karate	1
KINF 184C	Advanced Karate	1
KINF 190A	Beginning Tai Chi	1
KINF 190B	Intermediate Tai Chi	1
KINF 190C	Advanced Tai Chi	1
Kinesiology - Sports or Athletics: One Course from the Following:		
KINS 100A	Beginning Baseball	1
KINS 100B	Intermediate Baseball	1
KINS 100C	Advanced Baseball	1
KINS 101A	Beginning Flag Football - Women's	1
KINS 101B	Intermediate Flag Football - Women's	1
KINS 101C	Advanced Flag Football - Women's	1
KINS 103A	Beginning Badminton	1
KINS 103B	Intermediate Badminton	1
KINS 103C	Advanced Badminton	1
KINS 104A	Beginning Basketball	1
KINS 104B	Intermediate Basketball	1
KINS 104C	Advanced Basketball	1
KINS 107A	Beginning Ultimate Frisbee	1
KINS 107B	Intermediate Ultimate Frisbee	1
KINS 107C	Advanced Ultimate Frisbee	1
KINS 108A	Beginning Football	1
KINS 108B	Intermediate Football	1
KINS 108C	Advanced Football	1
KINS 110A	Beginning Futsal	1
KINS 110B	Intermediate Futsal	1
KINS 110C	Advanced Futsal	1
KINS 112A	Beginning Indoor Soccer	1
KINS 112B	Intermediate Indoor Soccer	1
KINS 112C	Advanced Indoor Soccer	1
KINS 116A	Beginning Soccer	1
KINS 116B	Intermediate Soccer	1
KINS 116C	Advanced Soccer	1
KINS 120A	Beginning Softball	1
KINS 120B	Intermediate Softball	1
KINS 120C	Advanced Softball	1
KINS 124A	Beginning Volleyball	1
KINS 124B	Intermediate Volleyball	1
KINS 124C	Advanced Volleyball	1
KINS 150A	Beginning Table Tennis	1
KINS 150B	Intermediate Table Tennis	1
KINS 150C	Advanced Table Tennis	1
KINX 090X4	Strength and Conditioning for Athletes I	1-2
KINX 092X4	Resistance Training	1
KINX 110X3	Intercollegiate Cross Country - Men	3
KINX 111X3	Intercollegiate Cross Country - Women	3
KINX 112X3	Intercollegiate Football - Offense	3
KINX 113X3	Intercollegiate Football - Defense	3
KINX 114X3	Intercollegiate Soccer - Men	3
KINX 115X3	Intercollegiate Soccer - Women	3
KINX 116X3	Intercollegiate Volleyball - Women	3
KINX 120X4	Intercollegiate Basketball - Men	1.5
KINX 121X4	Intercollegiate Basketball - Women	1.5
KINX 130X3	Intercollegiate Baseball	3
KINX 131X3	Intercollegiate Softball	3
KINX 132X3	Intercollegiate Track and Field - Men	3
KINX 133X3	Intercollegiate Track and Field - Women	3
Electives - Two Courses:		

CHEM 101	Introductory Chemistry	4
FN 162	Introduction to Food and Nutrition	3
KIN 101	Sports Psychology	3
KIN 104	Exercise Nutrition	3
KIN 106	Athletic Administration	3
KIN 202	History of Physical Education and Sport in the United States	3
KIN 203	Theory of Coaching	3
KIN 205	Sports Management	3
KIN 231	First Aid and CPR	3
KIN 232	Prevention and Care of Athletic Injuries	3
KIN 236	Stress Management and Wellness	3
Total Units		**25-28**

Note: CHEM 101 or CHEM 105 are *required prerequisites for* BIOL 261.

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Design a personal philosophy that reflect diverse movement styles, sports, and cultural practices.
b. Apply and assess how the body functions and performs when exercising.
c. Apply the study of kinesiology to prepare for the disciplines of pedagogy, exercise science, human health movement.

Kinesiology Associate in Arts for Transfer Degree

Kinesiology is the study of the principles of mechanics and anatomy in relation to human movement. The Kinesiology Associate in Arts for Transfer Degree (Kinesiology AA-T degree) provides students with an education in the core aspects of the Exercise of Science, Pedagogical, and Health and Human Performance. The Kinesiology AA-T degree prepares students for transfer to CSU campuses that offer bachelor's degrees in Kinesiology.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Kinesiology AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Kinesiology should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
KIN 200	Introduction to Kinesiology	3
Biology - One Course Sequence:		**8**
BIOL 250 & BIOL 251	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
BIOL 260 & BIOL 261	Human Anatomy and Human Physiology	8
Movement Based Courses - One course maximum from any three of the following categories: (3 units minimum)		
Combative:		
KINF 184A	Beginning Karate	1
KINF 184B	Intermediate Karate	1
KINF 184C	Advanced Karate	1
KINF 190A	Beginning Tai Chi	1
KINF 190B	Intermediate Tai Chi	1
KINF 190C	Advanced Tai Chi	1
Dance:		
DANCE 101A	Beginning Modern Dance	2
DANCE 101B	Beginning/Intermediate Modern Dance	2
DANCE 102A	Intermediate Modern Dance	2
DANCE 102B	Intermediate/Advanced Modern Dance	2
DANCE 103A	Beginning Ballet	2
DANCE 103B	Beginning/Intermediate Ballet	2
DANCE 105A	Beginning Jazz Dance	2
DANCE 105B	Beginning/Intermediate Jazz Dance	2
DANCE 106A	Intermediate Jazz Dance	2
DANCE 106B	Intermediate/Advanced Jazz Dance	2
DANCE 107X2	Beginning Tap Dance	2
Fitness:		
KINF 100A	Beginning Pilates Mat	1
KINF 100B	Intermediate Pilates Mat	1
KINF 100C	Advanced Pilates Mat	1
KINF 101A	Beginning Boxing for Fitness	1
KINF 101B	Intermediate Boxing for Fitness	1
KINF 105A	Beginning Low Impact Aerobics	1
KINF 105B	Intermediate Low Impact Aerobics	1
KINF 105C	Advanced Low Impact Aerobics	1
KINF 108A	Beginning Weight Training	1
KINF 108B	Intermediate Weight Training	1
KINF 108C	Advanced Weight Training	1
KINF 112A	Beginning Body Conditioning	1
KINF 112B	Intermediate Body Conditioning	1
KINF 115A	Beginning HIIT	1
KINF 115B	Intermediate HIIT	1
KINF 115C	Advanced HIIT	1

KINF 127A	Beginning Walking for Fitness	1
KINF 127B	Intermediate Walking for Fitness	1
KINF 132A	Beginning Distance Running	1
KINF 132B	Intermediate Distance Running	1
KINF 138A	Beginning Physical Fitness	1
KINF 138B	Intermediate Physical Fitness	1
KINF 138C	Advanced Physical Fitness	1
KINF 168A	Beginning Yoga	1
KINF 168B	Intermediate Yoga	1
KINF 168C	Advanced Yoga	1
Individual Sports:		
KINS 103A	Beginning Badminton	1
KINS 103B	Intermediate Badminton	1
KINS 103C	Advanced Badminton	1
KINS 150A	Beginning Table Tennis	1
KINS 150B	Intermediate Table Tennis	1
KINS 150C	Advanced Table Tennis	1
Team Sports:		
KINS 104A	Beginning Basketball	1
KINS 104B	Intermediate Basketball	1
KINS 104C	Advanced Basketball	1
KINS 107A	Beginning Ultimate Frisbee	1
KINS 107B	Intermediate Ultimate Frisbee	1
KINS 107C	Advanced Ultimate Frisbee	1
KINS 116A	Beginning Soccer	1
KINS 116B	Intermediate Soccer	1
KINS 116C	Advanced Soccer	1
KINS 120A	Beginning Softball	1
KINS 120B	Intermediate Softball	1
KINS 120C	Advanced Softball	1
KINS 124A	Beginning Volleyball	1
KINS 124B	Intermediate Volleyball	1
KINS 124C	Advanced Volleyball	1
List A - Two courses from the following: (6 units minimum)		
BIOL C1000	Introduction to Biology with Lab	4
CHEM 104	Introduction to Organic Chemistry and Biochemistry	4
CHEM 105	Introduction to General, Organic and Biochemistry	5
CHEM 150	General Chemistry I	5
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
or PSYC 105	Statistics for the Behavioral Sciences	
HEALTH 101	Personal Health and Wellness	3
KIN 231	First Aid and CPR	3
PHYSIC 151	General Physics for the Life Sciences I	4
PHYSIC 202	Physics I	4
PSYC C1000	Introduction to Psychology	3
or PSYC C1000	Introduction to Psychology - Honors	

Code	Title	Units
Major Total Units		**20-24**
Total Double-Counted Units		**13**
General Education (Cal-GETC) Units		**34**
Elective Units		**15-19**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply aerobic and anaerobic exercises for the proper form and alignment for a particular physical activity.
b. Identify strategies, techniques, and standards in the field of Exercise of Science, Pedagogical, or Human Health Movement.
c. Define health and skill related fitness components to promote an exercise program geared towards specific health, fitness, and wellness goals.
d. Explain risk factors of communicable and hypokinetic diseases to make nutritional and necessary choices to fuel the body with nutrients for various degrees of activity and weight control.

Public Health Associate in Science for Transfer Degree

Public Health students will gain a deeper understanding of public health and its concentration areas. The Public Health Associate in Science for Transfer Degree (AS-T) provides students with an education in the core aspects to gain employment in Public and Private Health and Human service agencies, schools, corporations and non-profit and professional consulting organizations. The Public Health AS-T degree prepares students for transfer to CSU campuses that offer a bachelor's degree in Public Health.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Public Health AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Public Health should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
BIOL C1000	Introduction to Biology with Lab	4
HEALTH 100	Introduction to Public Health	3
HEALTH 101	Personal Health and Wellness	3
ECON 208	Business and Economic Statistics	4
or PSYC 105	Statistics for the Behavioral Sciences	
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
List A - One course from the following:		
BIOL 260	Human Anatomy	4
BIOL 261	Human Physiology	4
CHEM 101	Introductory Chemistry	4
CHEM 150	General Chemistry I	5
List B - One course from the following:		
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 120	Medical Sociology	3
List C - One course from the following:		
COMM C1000	Introduction to Public Speaking	3
or COMM C1000H	Introduction to Public Speaking - Honors	
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
FN 162	Introduction to Food and Nutrition	3
HEALTH 104	Women's Health	3
HUMSV 130	Introduction to Addiction Studies: Drugs, Health, and Society	3
KIN 236	Stress Management and Wellness	3
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
PSYC 118	Human Sexual Behavior	3
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	

Code	Title	Units
Major Total Units		**24**
Total Double-Counted Units		**16**
General Education (Cal-GETC) Units		**34**
Elective Units		**18**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Describe the practical skills and knowledge base needed for employment, or other participation, in the field of Public Health Science and related fields.
b. Identify cultural differences among populations and interact sensitively, effectively, and professionally with individuals of diverse backgrounds.
c. Qualify for transfer to a four-year institution within the CSU system.

Learning Skills and Tutoring

The Learning Skills and Tutoring Department facilitates enrollment and provides support for on campus tutoring services. Research has shown that students who use tutoring services experience greater success in their college coursework. The Learning Skills and Tutoring coursework includes the supervised tutoring environment and the training for the student tutors.

Contact Information:

Division: Instructional Support Services

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Division Phone Number: (909) 384-8649

Faculty Chair: Maria Notarangelo (mnotarangelo@sbccd.edu), M.A., M.L.I.S.

Counselor Liaison:

- Rema Ghazaleh (rghazaleh@sbccd.edu), M.A.Ed., P.P.S.
- Andrea Hecht (ahecht@sbccd.edu), M.S.

LST 010 1 Unit
Tutor Training
Lecture: 9 contact hours
Lab: 27 contact hours
Departmental Recommendation: Completion of any college-level course to be tutored with a grade of B or better is required.
This course presents techniques and strategies for effective academic peer tutoring in a community college setting. Emphasis is on tutoring, study skill techniques and practical skills to use in a variety of tutoring situations. Graded on pass/no pass basis only.

LST 606 Noncredit
Supervised Tutoring/Academic Instructional Support
Lab: 270 contact hours
Limitation on Enrollment: Students will be assigned to this course by a counselor or instructor or for supervised tutoring and learning assistance subject to regulations under Title 5 Section 58172 58164(c). Enrollment in at least one other course at San Bernardino Valley College and/or Crafton Hills College.
Students enrolled in this noncredit class receive assistance in understanding course-specific content in various content area classes. Activities may include, but are not limited to, supervised individual or group tutorial/instructional services, computer assisted instruction and testing. Enrollment in this class is limited to students who have been recommended by an instructor or counselor on the basis of an identified learning need.

LST 610 Noncredit
Tutor Training
Lecture: 9 contact hours
Lab: 27 contact hours
Departmental Recommendation: Completion of any college-level course to be tutored with a grade of B or better.
This noncredit course presents techniques and strategies for effective academic tutoring and facilitation in a community college setting. Emphasis is on tutoring and facilitating, study skill techniques and practical skills to use in a variety of tutoring situations.

Liberal Arts

The Associate Degree in Liberal Arts is designed for students who wish to broaden their knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis”. An area of emphasis is ideal for students planning to transfer to the California State University (CSU) or University of California (UC). Students can satisfy required general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Students are advised to consult with a counselor for specific information regarding choice of major and transfer university. Students may obtain an Associate of Arts Degree in Liberal Arts by completing a minimum of 60 semester units as outlined below.

Students are encouraged to complete the Cal-GETC general education pattern that supports their transfer goals. Be sure to meet with a counselor to confirm you're taking the right courses.

- Students must complete 18 units in one of the "Area of Emphasis" degrees listed below. A minimum of two courses from one discipline is required. (Note: Where appropriate, courses in the “Area of Emphasis” may also be counted for Associate Degree Option #1 or #2.)
- Courses that include a symbol X in the number such as MUS 141X2 (https://catalog.valleycollege.edu/search/?P=MUS%20141X2) indicate the course may be taken two times for credit. Students may apply each course with a symbol X only one time toward graduation requirements.

- Liberal Arts - Biological and Physical Sciences Associate of Arts Degree
- Liberal Arts - Humanities and Fine Arts Associate of Arts Degree
- Liberal Arts - Social and Behavioral Sciences Associate of Arts Degree

Liberal Arts - Biological and Physical Sciences Associate of Arts Degree

Biological and Physical Sciences

These courses emphasize the natural sciences, which examine the physical universe, its life forms, and natural phenomena. Courses in mathematics emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of world civilization. Students must choose a minimum of 18 units, two courses from one discipline required.

Code	Title	Units
Anthropology		
ANTH C1001	Introduction to Biological Anthropology	3
or ANTH C1001	Introduction to Biological Anthropology - Honors	
ANTH C1001L	Biological Anthropology Lab	1
Astronomy		
ASTR C1001	Introduction to Astronomy	3
ASTR C1001L	Introduction to Astronomy Lab	1
Biology		
BIOL C1000	Introduction to Biology with Lab	4
BIOL 104	Human Ecology	3
BIOL 141	Genetics	3
BIOL 155	Introductory Anatomy and Physiology	4

BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
BIOL 207	Evolutionary Ecology	4
BIOL 250	Human Anatomy and Physiology I	4
BIOL 251	Human Anatomy and Physiology II	4
BIOL 260	Human Anatomy	4
BIOL 261	Human Physiology	4
BIOL 270	Microbiology	5
Chemistry		
CHEM 101	Introductory Chemistry	4
CHEM 104	Introduction to Organic Chemistry and Biochemistry	4
CHEM 105	Introduction to General, Organic and Biochemistry	5
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
CHEM 212	Organic Chemistry I	5
CHEM 213	Organic Chemistry II	5
Economics		
ECON 208	Business and Economic Statistics	4
Environmental Science		
ENVSCI 100	Introduction to Environmental Science	3
Geography		
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory	1
or GEOG 111H	Physical Geography Laboratory - Honors	
GEOG 114	Weather and Climate	4
Geology		
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory	1
GEOL 112	Historical Geology	4
GEOL 122	Environmental Geology	3
GEOL 140	Earth Science	3
GEOL 141	Earth Science Laboratory	1
GEOL 250	Geology of California	3
GEOL 251	Geology of the National Parks and Monuments	3
Mathematics		
MATH 102	College Algebra	4
MATH 103	Plane Trigonometry	4
MATH 115	Ideas of Mathematics	3
MATH 141	Business Calculus	4
MATH 151	Precalculus	4
MATH 180	Introduction to Data Science	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
Oceanography		
OCEAN 101	Elements of Oceanography	3
OCEAN 111	Elements of Oceanography Laboratory	1
Physics		
PHYSIC 101	Introductory Physics	4
PHYSIC 151	General Physics for the Life Sciences I	4
PHYSIC 152	General Physics for the Life Sciences II	4
PHYSIC 202	Physics I	4
PHYSIC 203	Physics II	4
PHYSIC 204	Physics III	4
Psychology		
PSYC 105	Statistics for the Behavioral Sciences	4
PSYC 141	Introduction to Biological Psychology [1]	3
Total Units		**18**

[1] Completed Fall 2009 or later

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior in a Biological and/or Physical Science major.

Liberal Arts - Humanities and Fine Arts Associate of Arts Degree

Humanities and Fine Arts

These courses emphasize the study of cultural, literary, humanistic activities, and artistic expressions of human beings. Students will evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students must also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments. Students must complete a minimum of 18 units, two courses from one discipline required.

Code	Title	Units
American Sign Language		
ASL 109	American Sign Language I	4
ASL 110	American Sign Language II	4
ASL 111	American Sign Language III	4
ASL 112	American Sign Language IV	4
ASL 120	Introduction to Deaf Studies	3
Anthropology		
ANTH 108	Introduction to Native American Studies	3
or ANTH 108H	Introduction to Native American Studies - Honors	
ANTH 109	Visual Culture and Art	3

ANTH 111	The Anthropology of Magic, Witchcraft, and Religion	3
or ANTH 111H	The Anthropology of Magic, Witchcraft, and Religion - Honors	
Arabic		
ARAB 101	College Arabic I	5
ARAB 102	College Arabic II	5
Architecture		
ARCH 106	Sustainability in the Built Environment	3
ARCH 145	History of Architecture: Early Design through Gothic	3
or ARCH 145H	History of Architecture: Early Design through Gothic - Honors	
ARCH 146	History of Architecture: Renaissance through Modern	3
or ARCH 146H	Architecture History: Renaissance to Modern - Honors	
Art		
ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
ART 124A	Beginning Drawing	3
ART 126A	Beginning Painting	3
ART 132A	Beginning Life Drawing	3
ART 145	Introduction to Digital Applications for Graphic Design	3
ART 148	Fundamental Graphic Design Principles and Digital Practices	3
ART 161	Digital Photography	3
ART 175A	Beginning Sculpture	3
ART 212A	Beginning Ceramics	3
ART 240A	Beginning Glassblowing	3
ART 270A	Beginning Design in Glass	3
ART 280	Beginning 3D Digital Animation and Visualization	3
Art History		
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or ARTH C1200	Survey of Art from the Renaissance to Contemporary - Honors	
ARTH 103	Art Appreciation	3
ARTH 105	History of Modern Art	3
ARTH 107	Art History: Africa, Oceania and the Americas	3
ARTH 108	Art of Mexico and Mesoamerica	3
Chinese		
CHIN 101	College Mandarin Chinese I	5
CHIN 102	College Mandarin Chinese II	5
Dance		
DANCE 100	Dance History and Appreciation	3
English		
ENGL C1002	Introduction to Literature	3
or ENGL C1002H	Introduction to Literature - Honors	
ENGL 153	Literature and Film	3
ENGL 161	Women Writers	3
ENGL 163	Chicana/o Literature	3
ENGL 165	African-American Literature	3
ENGL 175	The Literature and Religion of the Bible	3
ENGL 232	Creative Writing	3
ENGL 260	American Literature to 1865	3
or ENGL 260H	American Literature to 1865 - Honors	
ENGL 261	American Literature from 1865 to Present	3
ENGL 270	English Literature: Middle Ages to 18th Century	3
or ENGL 270H	English Literature: Middle Ages to 18th Century - Honors	
ENGL 271	English Literature: Late 18th Century to Present	3
or ENGL 271H	English Literature: Late 18th Century to Present - Honors	
Film, Television, and Media		
FTVM 102	Introduction to Film and Media Aesthetics	3
FTVM 103	Ethnicity and Identity in Media	3
FTVM 104	Women in Cinema	3
FTVM 122	Acting and Directing for Television and Film	3
FTVM 131	Cinematography	3
FTVM 162	Film Photography	3
French		
FRENCH 101	College French I	5
FRENCH 102	College French II	5
History		
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 142	Experiences of Asian Americans in U.S. History	3
HIST 145	History of California	3
or HIST 145H	History of California - Honors	
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
HIST 185	Women in United States History	3
Music		
MUS 100	Music Appreciation	3
or MUS 100H	Music Appreciation - Honors	
MUS 101	Music Theory I: Fundamentals	3
MUS 101L	Musicianship I	1
MUS 102	Music Theory II: Scales and Modes	3
MUS 102L	Musicianship II	1
MUS 103	Introduction to the Music Industry	3
MUS 104	History of Rock and Roll	3

MUS 105	American Popular Music	3
MUS 106	History of Jazz	3
MUS 107	Music Cultures of the World	3
MUS 108	History of Hip Hop Music	3
MUS 117A	Elementary Acoustic Guitar	1
MUS 120	Songwriting	3
MUS 121	Music History and Literature - Middle Ages through Baroque	3
or MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	
MUS 122	Music History and Literature - Classic through Contemporary	3
or MUS 122H	Music History and Literature - Classic through Contemporary - Honors	
MUS 123	Electronic Music I	3
MUS 124	Electronic Music II	3
MUS 130	Elementary Voice	3
MUS 131	Intermediate Voice	3
MUS 133	Elementary Piano	1
MUS 134	Intermediate Piano	1
MUS 135	Advanced Piano	1
MUS 141X2	Applied Music I	0.5
MUS 150X4	Mixed Chorus	1
MUS 152X4	Chamber Singers	1
MUS 153X4	Chamber Chorale	1
MUS 154X4	College Singers	1
MUS 156X4	Concert Choir	1
MUS 158X4	Gospel Choir	1
MUS 159X4	Theatrical Music Workshop	1
MUS 160X4	Commercial Music Ensemble	1
MUS 162X4	Wind Ensemble	1
MUS 166X4	Concert Band	1
MUS 170X2	Jazz Improvisation and Theory I	1
MUS 171X2	Jazz Improvisation and Theory II	1
MUS 180X4	Instrumental Chamber Music	1
MUS 201	Music Theory III: Basic Harmony	3
MUS 202	Music Theory IV: Harmony	3
MUS 201L	Musicianship III	1
MUS 202L	Musicianship IV	1
MUS 210	Conducting	3
MUS 241X2	Applied Music II	0.5
Philosophy		
PHIL 101	Introduction to Philosophy	3
or PHIL 101H	Introduction to Philosophy - Honors	
PHIL 105	Introduction to Ethics	3
PHIL 109	Philosophy of Religion	3
PHIL 180	Death and Dying	3
Religious Studies		
RELIG 100	Introduction to Religious Studies	3
or RELIG 100H	Introduction to Religious Studies - Honors	
RELIG 101	Introduction to World Religions	3
RELIG 115	Magic, Witchcraft, Cults, and New Religious Movements	3
RELIG 135	Religion in America	3
RELIG 150	Introduction to Mythology	3
RELIG 175	The Literature and Religion of the Bible	3
RELIG 176	Jesus and His Interpreters	3
RELIG 180	Death and Dying	3
Spanish		
SPAN 101	College Spanish I	5
or SPAN 101H	College Spanish I - Honors	
SPAN 102	College Spanish II	5
or SPAN 102H	College Spanish II - Honors	
SPAN 103	College Spanish III	4
or SPAN 103H	College Spanish III - Honors	
SPAN 104	College Spanish IV	4
SPAN 109	Spanish Civilization and Culture	3
SPAN 110	Latin American Civilization and Culture	3
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4
Theatre Arts		
THART 100	Introduction to the Theatre	3
THART 105	Script Analysis	3
or THART 100H	Introduction to Theatre - Honors	
THART 110	Voice and Diction for Actors	3
THART 114X4	Rehearsal and Performance	4
THART 120	Acting Fundamentals I	3
THART 121	Acting Fundamentals II	3
THART 131	Sound for Stage and Screen	3
THART 132	Lighting Design Fundamentals	3
THART 135	Directing Fundamentals	3
THART 136	Introduction to Theatre Design	3
THART 139	Fundamentals of Costume Design	3
THART 147	Theatre Movement	3
THART 160X4	Technical Theatre in Production	3
THART 165	Stage Makeup	3
THART 166	Improvisational Acting	3
Total Units		**18**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior in a Humanities and/or Fine Arts major.

Liberal Arts - Social and Behavioral Sciences Associate of Arts Degree

Social and Behavioral Sciences

These courses emphasize the perspective, concepts, theories, and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the social and behavioral sciences. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate. Students must choose a minimum of 18 units, two courses from one discipline required.

Code	Title	Units
Anthropology		
ANTH 100	Introduction to Archaeology	3
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
ANTH 103	Anthropology of Food	3
ANTH 108	Introduction to Native American Studies	3
or ANTH 108H	Introduction to Native American Studies - Honors	
ANTH 109	Visual Culture and Art	3
ANTH 111	The Anthropology of Magic, Witchcraft, and Religion	3
or ANTH 111H	The Anthropology of Magic, Witchcraft, and Religion - Honors	
ANTH 125	Language and Culture	3
ANTH C1001	Introduction to Biological Anthropology	3
or ANTH C1001H	Introduction to Biological Anthropology - Honors	
Child Development		
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
CDEV 108	Early Childhood Development	3
CDEV 126	Child, Family, and the Community	3
CDEV 160	Middle Childhood Development	3
Communication Studies		
COMM 135	Mass Media and Society	3
COMM 174	Intercultural Communication	3
COMM 176	Gender Differences in Communication	3
Economics		
ECON 100	Introduction to Economics	3
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
Education		
EDUC 103	Education, Society, and Culture	3
Ethnic Studies		
ETHS 100	Introduction to Ethnic Studies	3
ETHS 103	Ethnicity and Identity in Media	3
ETHS 104	Latina/o/x Studies	3
ETHS 105	Introduction to Asian American Studies	3
ETHS 106	Introduction to Black Studies	3
ETHS 107	Native American Experiences in U.S. History	3
or ETHS 107H	Native American Experiences in U.S. History - Honors	
ETHS 108	Introduction to Native American Studies	3
ETHS 109	Introduction to Oceania and Pacific Islander Studies	3
ETHS 141	Race and Ethnic Relations	3
or ETHS 141H	Race and Ethnic Relations - Honors	
ETHS 163	Chicana/o Literature	3
ETHS 165	African-American Literature	3
Film, Television, and Media		
FTVM 101	Introduction to Electronic Media	3
Geography		
GEOG 102	Cultural Geography	3
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3
Global Studies		
GLST 101	Introduction to Global Studies	3
GLST 102	Global Issues	3
Health		
HEALTH 100	Introduction to Public Health	3
HEALTH 101	Personal Health and Wellness	3
HEALTH 113	Social Determinants of Health, Disparities and Equities	3
History		
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 138	The African American Experience in U.S. History to 1877	3
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
HIST 142	Experiences of Asian Americans in U.S. History	3
HIST 145	History of California	3
or HIST 145H	History of California - Honors	
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
HIST 185	Women in United States History	3
Law, Public Policy, and Society		
LPPS 110	Introduction to Law and Society	3
Philosophy		
PHIL 109	Philosophy of Religion	3
PHIL 180	Death and Dying	3
Political Science		
POLS C1000	American Government and Politics	3

or POLS C1000	American Government and Politics - Honors	
POLS 103	Native American Politics and Policy	3
POLS 110	Introduction to Political Theory	3
or POLS 110H	Introduction to Political Theory - Honors	
POLS 140	Introduction to Comparative Politics	3
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
POLS 150	Introduction to Public Policy	3
POLS 170	Introduction to the Politics of Race and Gender	3
Psychology		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000	Introduction to Psychology - Honors	
PSYC 102	Personal and Social Adjustment	3
PSYC 110	Abnormal Psychology	3
PSYC 111	Developmental Psychology: Lifespan	3
PSYC 112	Developmental Psychology: Child and Adolescent Psychology	3
PSYC 118	Human Sexual Behavior	3
PSYC 119	Multicultural Psychology	3
PSYC 201	Research Methods for the Behavioral Sciences	4
Religious Studies		
RELIG 115	Magic, Witchcraft, Cults, and New Religious Movements	3
RELIG 135	Religion in America	3
RELIG 180	Death and Dying	3
Sociology		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 120	Medical Sociology	3
SOCI 130	Family Sociology	3
SOCI 135	Introduction to Crime	3
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
SOCI 145	Sociology of Gender	3
SOCI 150	Aging and the Life Course	3
Total Units		**18**

This degree is also offered as a* Zero Textbook Cost Degree (Z Degree) *(p. 65).

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior in a Social and Behavioral Science major.

Library Technology

The Library Technology Program equips students with essential library, customer service, and information literacy skills to ensure they are well prepared for today's dynamic information landscape. With a certificate and associate of arts degree, the Library Technology Program caters to the needs of the next generation of library paraprofessionals. Graduates are eligible for diverse roles, including school library specialists, library technicians, clerks, pages, catalogers, and billing specialists. Geared towards meeting the workforce demands of local school, city, county, academic, and special libraries, the program plays a vital role in shaping our community's library professionals. Our Library Technology program prioritizes flexibility to accommodate our students' demanding schedules. Classes are online and in an asynchronous format (except for LIB 062, an elective hybrid class) and are 2 units and 8 weeks (except for LIB 110, which is 3 units and 16 weeks), ensuring that students can balance their academic pursuits with other commitments.

Contact Information:

Division: Instructional Support Services

Division Phone Number: (909) 384-8649

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chairs: Maria Notarangelo (mnotarangelo@sbccd.edu), M.A., M.L.I.S.

Counselor Liaison:

- Rema Ghazaleh (rghazaleh@sbccd.edu), M.A.Ed., P.P.S.
- Evelyn Luna (eluna@sbccd.edu), M.A.

- Library Technology Associate of Arts Degree
- Library Technology Certificate of Achievement

LIB 062 1 Unit
Care and Repair of Library Materials
Lecture: 9 contact hours
Lab: 27 contact hours
This course provides the basic, hands-on techniques used in the binding, repair, and care of printed library materials.
Associate Degree Applicable

LIB 063 2 Units
Reader's Advisory
Lecture: 36 contact hours
Departmental Recommendation: LIB 064 and READ 100
This course is an introductory study of reader's advisory work as performed in public, academic, and school libraries. It offers a practical study of popular literature and literary genres, interpersonal skills, and interview techniques needed to become successful in recommending specific titles and/or authors to library patrons based on parameters such as story elements, reading interests, age groups, and reading levels.
Associate Degree Applicable

LIB 064 2 Units
Introduction to Library Services
Lecture: 36 contact hours
Departmental Recommendation: READ 100
This course is an introduction to the philosophy of library services and the history and types of libraries. The class covers the relationship of a library to the community it serves, especially in terms of typical library services and programs. Finally, the library in the online environment and the organizational structure of libraries are considered.
Associate Degree Applicable

LIB 065 2 Units
Public Services
Lecture: 36 contact hours
Departmental Recommendation: READ 100
This course is an introduction to the public services provided by modern libraries. Topics include library customer service guidelines and skills; equity, diversity, and inclusion; organization, circulation, and materials; programs and series; and library safety.
Associate Degree Applicable

LIB 066 2 Units
Acquisitions
Lecture: 36 contact hours
Departmental Recommendation: LIB 064 and READ 100
This course is an introduction to acquisitions practices in the modern library. Topics include needs assessment; collection management; selection of print and online resources; acquisitions processes; weeding/deselection of materials; ethics; preservation; legal and safety issues in libraries; and intellectual freedom.
Associate Degree Applicable

LIB 067 2 Units
Cataloging and Classification
Lecture: 36 contact hours
Departmental Recommendation: LIB 064 and READ 100
This course is an introduction to descriptive and subject cataloging, copy cataloging, classification of materials using the Dewey Decimal and Library of Congress systems, preparation of MARC computer database records, and use of electronic bibliographic utilities.
Associate Degree Applicable

LIB 070 2 Units
Library Technology and Computer Services
Lecture: 36 contact hours
Departmental Recommendation: LIB 064 and READ 100
This class is an introduction to the application and integration of automation systems and computers in libraries. Students will be exposed to a variety of computer applications, including online public access catalogs and automated circulation systems. This course provides an overview of a wide variety of computer services and issues within a library setting ranging from public access, social media, cyber security and emerging technologies.
Associate Degree Applicable

LIB 071 2 Units
Youth Services and Programs
Lecture: 36 contact hours
Departmental Recommendation: READ 015
This course explores inclusive and age-appropriate library services and diverse programming for youth in public and school libraries.
Associate Degree Applicable

LIB 072 2 Units
School Library Media Centers
Lecture: 36 contact hours
Departmental Recommendation: READ 100 and LIB 064
This course introduces students to the skills and competencies necessary to obtain an entry level position in an elementary or secondary school library media center.
Associate Degree Applicable

LIB 073 2 Units
Library Digital Archives and Resources
Lecture: 36 contact hours
Departmental Recommendation: READ 015 and LIB 064
This course introduces archival theory and methods with a focus on digital media storage and preservation, including born-digital and digitized materials.
Associate Degree Applicable

LIB 098 0.5-4 Units
Library Technology Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.
Associate Degree Applicable

LIB 110 3 Units
Information Literacy and Research
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This is an introductory course covering the skills needed to effectively access library and online information sources, to critically evaluate the information retrieved, and to practice ethical behavior in regard to information technology.
Associate Degree Applicable
Transfers to both UC/CSU

Library Technology Associate of Arts Degree

The Library Technology Degree equips students for professions in libraries or information management, encompassing modern technology and traditional print media. This curriculum is tailored to prepare individuals for roles as paraprofessionals in various library settings, including public, school, academic, or special libraries, as well as related industries.

Code	Title	Units
Required Courses:		
LIB 063	Reader's Advisory	2
LIB 064	Introduction to Library Services	2
LIB 065	Public Services	2
LIB 066	Acquisitions	2
LIB 067	Cataloging and Classification	2
LIB 070	Library Technology and Computer Services	2
LIB 110	Information Literacy and Research	3
Two courses from the following:		
LIB 062	Care and Repair of Library Materials	1
LIB 071	Youth Services and Programs	2
LIB 072	School Library Media Centers	2

LIB 073	Library Digital Archives and Resources	2
One Literature course from the following:		
ENGL 140	Exploring the World of Science Fiction	3
ENGL 141	Mystery and Detective Fiction	3
ENGL 153	Literature and Film	3
ENGL 161	Women Writers	3
ENGL 163	Chicana/o Literature	3
or ETHS 163	Chicana/o Literature	
ENGL 165	African-American Literature	3
or ETHS 165	African-American Literature	
ENGL 260	American Literature to 1865	3
or ENGL 260H	American Literature to 1865 - Honors	
ENGL 261	American Literature from 1865 to Present	3
Total Units		**21-22**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Utilize the correct technology and media for library services.
b. Classify library materials in a variety of library environments such as schools, specialized, public and academic.
c. Demonstrate the fundamentals of working with the public, and materials management.
d. Describe the purposes, processes, and goals of the different departments within a library, including technical, public, and reference services.

Library Technology Certificate of Achievement

The Library Technology certificate trains students for careers in libraries or information management using print media as well as technology. The program is designed to prepare individuals for entry level employment in a public, school, academic, or special library or an information center.

Code	Title	Units
Required Courses:		
LIB 063	Reader's Advisory	2
LIB 064	Introduction to Library Services	2
LIB 065	Public Services	2
LIB 066	Acquisitions	2
LIB 067	Cataloging and Classification	2
LIB 070	Library Technology and Computer Services	2
LIB 110	Information Literacy and Research	3
One course from the following:		
LIB 062	Care and Repair of Library Materials	1
LIB 071	Youth Services and Programs	2
LIB 072	School Library Media Centers	2
LIB 073	Library Digital Archives and Resources	2
Work Experience - Complete one unit from the following:		
LIB 098	Library Technology Work Experience [1]	0.5-4
Total Units		**17-18**

[1] *LIB 098 may be waived if the student has been employed in a library for at least one year at full-time (or equivalent). See Department Chair for additional information.*

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Utilize the correct technology and media for library services.
b. Classify library materials in a variety of library environments such as schools, specialized, public and academic.
c. Apply the fundamentals of public services and technical services.
d. Describe the purposes, processes, and goals of the different departments within a library, including technical, public, and reference services.

Machinist Technology

The Machine Technology program offers a broad training that prepares individuals for entry-level employment in the machining industry. Through a combination of classroom study and assigned lab activities, students develop trade skills and become familiar with production methods and standards common to the industry. Within the lab setting, emphasis is on the practical application of skills. Students will learn to operate a variety of conventional machine tools and computer numerical control (CNC) machines, interpret industrial drawings/blueprints, and use precision measuring and inspection instruments. Good math, problem-solving, and computer skills are important.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chair: Melita Caldwell-Betties (mcaldwell@sbccd.edu), M.P.A.

Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

- Computer Numerical Control (CNC) Machining Associate of Science Degree
- Computer Numerical Control (CNC) Machining Certificate of Achievement

MACH 021 3 Units
Machine Shop
Lecture: 18 contact hours
Lab: 108 contact hours
Departmental Recommendation: MACH 090 and MACH 129
This course prepares students for entry into the machining industry. Students will explore career opportunities and requirements of a professional machinist. Content emphasizes beginning skills key to the success of working in the machining industry. Students study workplace safety and organization, job-related mathematics, basic blueprint information, basic measuring operations, benchwork skills, and the history of manufacturing.
Associate Degree Applicable

MACH 022 4 Units
Machine Shop II
Lecture: 18 contact hours
Lab: 162 contact hours
Departmental Recommendation: MACH 021
This course includes machine shop practices for students with a machining background. Emphasis is placed on mathematical speeds and feed formulas, boring processes on mills and lathes, tool grinding, National Institute for Metalworking Skills (NIMS) Standards. At the completion of this course, students will have completed certain NIMS certification competencies.
Associate Degree Applicable

MACH 040 3 Units
Intermediate Three-Dimensional Computer Modeling
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: MACH 075
This course covers intermediate concepts and development of three-dimensional solid modeling and solid assembly modeling using a Computer Aided Drafting (CAD) solid modeling program.
Associate Degree Applicable

MACH 041 4 Units
Advanced Mechanical Design Applications
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: MACH 075 and MACH 040
This course covers advanced modeling of machine parts in the various stages of manufacturing with required back-up items such as jigs, fixtures, weldments, tooling, molds and dies.
Associate Degree Applicable

MACH 042 3 Units
Mechanical Design and Drafting I
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: MACH 075
This course covers the production of engineering drawings with primary orthographic views, section views, detail views and auxiliary views. Students will also become familiar with detailing of drawing views including dimensions, notes/labels and drawing formats.
Associate Degree Applicable

MACH 043 4 Units
Mechanical Design and Drafting II
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: MACH 075 and MACH 042
This course covers advanced drawing techniques with a focus on mechanical applications. Advanced documentation/design practices including ASME Y14.5 tolerancing, symbol libraries, bills of material, and interface automation will be covered.
Associate Degree Applicable

MACH 070 3 Units
Computer Numerical Control Programming (CNC)
Lecture: 18 contact hours
Lab: 108 contact hours
Departmental Recommendation: TECALC 087 and MACH 090
This course focuses on basic numerical control programming and emphasizes math used for toolpath geometry, and the use of a computer CNC Software simulator for verifying toolpath geometry calculations.
Associate Degree Applicable

MACH 071 3 Units
Computer Numerical Control Programming II
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: MACH 070
This is an intermediate Computer Numerical Control (CNC) programming course which focuses on manual coding of various machine tool control languages. It includes programming concepts, and hands on manual programming to manufacture parts using Fanuc, Haas, and Mazak CNC machine tools.
Associate Degree Applicable

MACH 072 3 Units
Computer Aided Design and Manufacturing Programming I
Lecture: 18 contact hours
Lab: 108 contact hours
This course includes the study and use of Mastercam software with emphasis on drawing 2-D models, construction and part design basics related to 2-D models, and part programming for Computer Numerical Control (CNC) lathes and mills.
Associate Degree Applicable

MACH 073 3 Units
Computer Aided Design and Manufacturing Programming II
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: MACH 072
This course includes the study and use of Mastercam software, 3-D mill, solids, and lathe programming. Speeds, feeds, and tool path programming for generating G- code of complex surfaces are explored.
Associate Degree Applicable

MACH 074 3 Units
Computer Numerical Control (CNC) Machining Setup and Operation
Lecture: 18 contact hours
Lab: 108 contact hours
This is an introductory course designed to teach the fundamental skills related to the setup and operation of Computer Numerically Controlled (CNC) machine tools. Safety, tool selection, speeds and feeds, machine and controller functions, and calculation and input of offsets, are also included.
Associate Degree Applicable

MACH 075 3 Units
Computer Aided Design/Computer Aided Manufacturing Software
Lecture: 18 contact hours
Lab: 108 contact hours
This course is an introductory, hands-on instruction of Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) theory and study using Solidworks and Mastercam software. Emphasis is placed on generating programs to prepare CNC machine programs for applications involving two or more axes of control.
Associate Degree Applicable

MACH 090 3 Units
Mechanical Print Reading
Lecture: 54 contact hours
This course covers basic drafting and print standards, fundamentals of shape description, fundamentals of size description and annotation, industrial drawing types, and specialized parts and prints. The course content focuses on interpreting and applying geometric dimensioning and tolerancing (GDT) in machining through math formulas, tolerancing systems, modifiers, symbols, datums, and tolerances of form, profile, orientation, run-out and location. Students examine and interpret the generation of a working drawing, and how they are developed as a team effort between design, drafting, manufacturing and quality control.
Associate Degree Applicable

MACH 098 0.5-4 Units
Machinist Technology Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

MACH 129 2 Units
Manufacturing Processes
Lecture: 36 contact hours
Departmental Recommendation: MACH 021
This course covers the basic manufacturing processes commonly used in the production of metal, plastic, wood, and composite parts. Emphasis is placed on forming, separating, fabricating, conditioning, and finishing processes related to each material. Process description, product/process characteristics are covered along with design and economic and environmental considerations. An overview of current automated manufacturing systems is presented.
Associate Degree Applicable
Transfers to CSU only

Computer Numerical Control (CNC) Machining Certificate of Achievement

This certificate is designed to prepare students for entry-level employment in Computer Aided Manufacturing (CAM) programming, set up, and operation of Computer Numerical Control (CNC) machine tools.

Code	Title	Units
Required Courses:		
MACH 021	Machine Shop	3
MACH 070	Computer Numerical Control Programming (CNC)	3
MACH 075	Computer Aided Design/Computer Aided Manufacturing Software	3
TECALC 087	Technical Calculations	4
MACH 090	Mechanical Print Reading	3
MACH 129	Manufacturing Processes	2
WELD 012	Oxy-Fuel Welding	2
Total Units		**20**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify and classify various cutting tool geometries and materials, fostering an understanding of how diverse perspectives can inform innovative tool selection and optimization in machining processes.
b. Reproduce toolpath processes utilized in both 2D and 3D High Speed CNC machining operations, ensuring precision and efficiency while valuing collaborative efforts that draw upon varied experiences and backgrounds.
c. Apply industry-standard procedures for CNC job planning, tooling selection, and programming, cultivating an equitable environment that encourages contributions from all individuals and recognizes the value of diverse input in achieving effective project execution.
d. Predict and select appropriate CAM toolpath operations for various machining scenarios, enhancing productivity and precision while acknowledging that diverse viewpoints can lead to more equitable and effective solutions.

Computer Numerical Control (CNC) Machining Associate of Science Degree

The Computer Numerical Control (CNC) Machining A.S. degree is designed to prepare students for entry-level employment in manufacturing using advanced setup techniques on machine tools such as lathes, mills, and grinders to produce close tolerance precision parts.

Code	Title	Units
Required Courses:		
MACH 021	Machine Shop	3
MACH 022	Machine Shop II	4
MACH 070	Computer Numerical Control Programming (CNC)	3
MACH 071	Computer Numerical Control Programming II	3
MACH 075	Computer Aided Design/Computer Aided Manufacturing Software	3
MACH 090	Mechanical Print Reading	3
MACH 129	Manufacturing Processes	2
TECALC 087	Technical Calculations	4
Total Units		**25**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify and utilize a diverse array of hand tools and CNC machinery, demonstrating mastery in tool selection and application to accommodate various machining tasks and promote equitable access to resources.
b. Distinguish between ferrous and non-ferrous materials through an analysis of their classifications and properties, applying this knowledge to select appropriate materials for specific machining applications while ensuring sustainable practices that consider the environmental and social impacts of material choices.
c. Execute precision setup techniques, including indicating a machine head to the table within .0005" tolerance, and conduct thorough inspections using measurement tools to ensure adherence to quality standards, fostering an inclusive environment that values accuracy and accountability in all processes.
d. Analyze and interpret features in orthographic multi-views, applying technical drawing standards, and develop or modify CNC programs using industry-standard software to optimize machining processes, while recognizing the diverse backgrounds and perspectives that inform innovative solutions.
e. Promote principles of diversity, equity, anti-racism, and inclusion within the CNC machining field, acknowledging the importance of varied perspectives in enhancing collaboration, creativity, and innovation in manufacturing practices.

Mathematics

The Mathematics Department supports students in all levels of mathematics, through differential equations and linear algebra courses. Students who are curious about theoretical mathematics or applications of math in the real world (financial math, math for educators, statistics, and more) will be able to find a course that interests them. There are job opportunities in theoretical mathematics, and there are even more in education, business, engineering, and other technical fields that rely on mathematics. Students planning to transfer to a four-year institution and major in mathematics or a related field should consult with a counselor regarding the transfer process and lower division requirements.

Sequence of Mathematics Courses at SBVC

Students pursuing an AS-T in Mathematics or a STEM major are recommended to follow the STEM track sequence. Non-STEM majors should take a course in the non-STEM track, if required. Eligibility to enroll in a mathematics course is subject to the SBVC Self-Guided Placement. Contact a counselor to see what course is appropriate for your educational goals.

Code	Title	Units
STEM Track Courses:		
MATH 102	College Algebra [1]	4
MATH 103	Plane Trigonometry [1]	4
MATH 151	Precalculus	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
Note: MATH 102 and MATH 103 can be taken simultaneously.		

Code	Title	Units
Non-STEM Track Classes:		
MATH 102	College Algebra [1, 2]	4
MATH 103	Plane Trigonometry [1, 2]	4
MATH 115	Ideas of Mathematics [2]	3
MATH 120	Mathematical Financial Planning	4
MATH 141	Business Calculus [1, 2]	4
STAT C1000	Introduction to Statistics	4
STAT C1000H	Introduction to Statistics - Honors	4

[1] Be advised, this course assumes a student has completed Intermediate Algebra or Algebra 2, or an equivalent such as Math III.
[2] Contact a counselor to see if this course is appropriate to your educational goals.

Code	Title	Units
Support Courses		
MATH 602	Support for College Algebra	0
MATH 651	Support for Precalculus	0
MATH 650	Support for Calculus	0
STAT 608	Support for Introduction to Statistics	0

Note: MATH 602, MATH 651, and STAT 608 are taken simultaneously with MATH 102, MATH 151, and STAT C1000.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chair: Anthony Castro (acastro@sbccd.edu), M.S.

Counselor Liaisons:

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- Abena Weber (aweber@sbccd.edu), Ed.D.

- Mathematics Associate in Science for Transfer Degree

MATH C2210 4 Units
Calculus I: Early Transcendentals
Lecture: 72 contact hours
Prerequisite: Pre-calculus or college algebra and trigonometry or equivalent or placement as determined by the college's multiple measures assessment process.
A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. (Formerly MATH 250)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MATH 211/900S

MATH C2220 4 Units
Calculus II: Early Transcendentals
Lecture: 72 contact hours
Prerequisite: Calculus I: Early Transcendentals (MATH C2210) or equivalent or placement as determined by the college's multiple measures assessment process.
A second course in differential and integral calculus of a single variable. Topics include applications of integration, techniques of integration, infinite sequences and series, and the calculus of parametric and polar equations. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. (Formerly MATH 251)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MATH 221/900S

MATH 102 4 Units
College Algebra
Lecture: 72 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This course is designed for students with a strong foundation in algebra. It includes the study of polynomial rational functions and inequalities, exponential and logarithmic functions, conics, systems of nonlinear equations and inequalities, and an introduction to sequences, series, and the Binomial Theorem.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MATH 150/151

MATH 103 4 Units
Plane Trigonometry
Lecture: 72 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This course provides a study of trigonometric functions, identities, trigonometric equations, periodicity, graphs of trigonometric functions, inverse trigonometric functions, solving right triangles, solving triangles using the Law of Cosines and Law of Sines, polar coordinates, and an introduction to vectors.
Associate Degree Applicable
Transfers to CSU only
C-ID: MATH 851

MATH 106 3 Units
Mathematical Concepts for Elementary School Teachers
Lecture: 54 contact hours
Prerequisite: Completion of intermediate algebra or appropriate college-level placement based on the SBVC Guided-Self Placement process.
This course focuses on the development of quantitative reasoning skills through in-depth, integrated exploration of topics in mathematics, including real number systems and subsystems. Emphasis on comprehension and analysis of mathematical concepts and applications of logical reasoning. This course is designed for future elementary school teachers.
Associate Degree Applicable
Transfers to both UC/CSU

MATH 115 3 Units
Ideas of Mathematics
Lecture: 54 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
This course includes sets, propositional logic, inductive reasoning and applications, mathematical patterns, counting methods, and finite probability spaces.
Associate Degree Applicable
Transfers to both UC/CSU

MATH 120 4 Units
Mathematical Financial Planning
Lecture: 72 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
Learn the fundamentals of personal financial planning. This is a course designed to help students plan their financial life from student loans to retirement and investment strategies. Topics include credit management strategies, loan evaluation, buying and leasing automobiles, buying a house, investing and portfolios, insurance, taxes, and retirement planning. All topics developed through rigorous quantitative and mathematical applications in linear, algebraic, exponential, and logarithmic functions, sequences, series, and an introduction to portfolio risk analysis. Use of technology and financial calculators for financial planning.
Associate Degree Applicable
Transfers to both UC/CSU

MATH 141 4 Units
Business Calculus
Lecture: 72 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
Departmental Recommendation: MATH 102
This course is a study of calculus techniques with emphasis placed on concepts related to business and management solutions. Additional applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied.
Associate Degree Applicable
Transfers to both UC/CSU

MATH 151 4 Units
Precalculus
Lecture: 72 contact hours
Prerequisite: College algebra or trigonometry or placement into precalculus based on the SBVC Guided-Self Placement process.
This course is designed for students preparing to take Calculus. It deepens students' understanding of algebra and trigonometry by building on topics from College Algebra and Plane Trigonometry, both of which are foundational for Calculus students. Topics include polynomials, rational, exponential, logarithmic, and trigonometric functions and their graphs, systems of linear and nonlinear equations and inequalities, partial fraction decomposition, parametric and polar equations, and an introduction to limits. (MATH 102 and MATH 151 combined: maximum UC transferable credit, one course.)
Associate Degree Applicable
Transfers to both UC/CSU

MATH 180 4 Units
Introduction to Data Science
Lecture: 72 contact hours
Prerequisite: Completion of intermediate algebra or appropriate college-level placement based on the SBVC Guided-Self Placement process.
Introductory course on data collection and management, data manipulation, data modeling, statistical inference, and statistical modeling with data. Students will gain experience using a computer programming language (e.g. Python, R, etc.) to carry out statistical analysis.
Associate Degree Applicable
Transfers to both UC/CSU

MATH 222 1-3 Units
Independent Study in Mathematics
DIR: 54 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
Students with previous course work in mathematics may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of mathematics. Prior to registration, a written contract must be jointly prepared by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

MATH 252 5 Units
Multivariable Calculus
Lecture: 90 contact hours
Prerequisite: MATH C2220
This third course in calculus includes vectors, lines, and simple surfaces in three-dimensional space, some linear algebra topics, vector-valued functions, partial derivatives, multiple integrals, line integrals and Green's Theorem, surface integrals and the theorems of Gauss and Stokes.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MATH 230

MATH 265 4 Units
Linear Algebra
Lecture: 72 contact hours
Prerequisite: MATH C2210
This course develops the techniques and theory needed to solve and classify systems of linear equations. Techniques that are covered include row operations, Gaussian elimination, and the algebra of matrices. The course explores the properties of vectors in n dimensions, which leads to the notion of an abstract vector space. The theory of vector spaces and matrices are introduced, and the topics include inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Applications of linear algebra are included.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MATH 250/910S

MATH 266 4 Units
Ordinary Differential Equations
Lecture: 72 contact hours
Prerequisite: MATH C2220
Departmental Recommendation: MATH 252
The course is an introduction to ordinary differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exist, and techniques for obtaining solutions, including, series solutions, and singular points, Laplace transforms and linear systems.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MATH 240/910S

MATH 601 Noncredit
Independent Lab for Fundamental Mathematical Skills
Lab: 54 contact hours
This noncredit course is offered as a study or review of the fundamental concepts of arithmetic, prealgebra, beginning algebra, and intermediate algebra as appropriate based on individual student needs. The course is intended for students who need to refresh their math skills prior to taking a college level math course.

MATH 602 Noncredit
Support for College Algebra
Lab: 54 contact hours
Corequisite: MATH 102
This noncredit course is a review of the prerequisite skills essential for college algebra. This course includes a review of topics covered in elementary and intermediate algebra as appropriate, based on individual student needs. The course is intended for students who need to refresh their math skills while enrolled in a college algebra math course to be used for just in time remediation.

MATH 650 Noncredit
Support for Calculus
Lab: 54 contact hours
Corequisite: MATH C2210
This noncredit course is a review of the prerequisite skills essential for calculus. The course includes a review of topics covered in college algebra and trigonometry as appropriate, based on individual student needs. The course is intended for students who need to refresh their math skills while enrolled in a calculus course to be used for just in time remediation.

MATH 651 Noncredit
Support for Precalculus
Lab: 36 contact hours
Corequisite: MATH 151
This noncredit course is a review of the prerequisite skills essential for precalculus. This course includes a review of topics covered in elementary algebra, intermediate algebra, college algebra, and trigonometry as appropriate, based on individual student needs. The course is intended for students who need to refresh their math skills while enrolled in a precalculus math course to be used for just in time remediation.

Mathematics Associate in Science for Transfer Degree

Mathematics is one of the oldest sciences. Mathematicians usually work in two general areas of mathematics, theoretical or applied mathematics. Mathematicians expand mathematical knowledge, by discovering mathematical principles or expanding on known mathematical theory. Mathematicians develop models indirectly or directly to solve problems in other fields such as business, chemistry, biology, physics, engineering, statistics, computer science, and other sciences.

The Associate in Science for Transfer (AS-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Mathematics AS-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Mathematics should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4
List A - Select One:		
CS 190	Programming in C++	4
PHYSIC 202	Physics I	4

Code	Title	Units
Major Total Units		**25**
Total Double-Counted Units		**7**
General Education (Cal-GETC) Units		**34**
Elective Units		**8**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply mathematical rules to manipulate mathematical expressions.
b. Differentiate between theoretical and applied mathematical concepts.
c. Integrate mathematical concepts and principles to other science disciplines.
d. Model a real world problem using a mathematical model.

Modern Languages

Discover the power of communication and connection through language! The Modern Languages Department offers dynamic courses in Arabic, American Sign Language (ASL), Chinese (Mandarin), French, and Spanish —languages that are not only widely spoken across the U.S. and the world, but also deeply rooted in diverse cultures and communities. Courses are designed to build real-world communication abilities and meaningful cultural understanding. ASL is the primary language of the Deaf community in the U.S. and parts of Canada, while Arabic, Chinese, French, and Spanish rank among the top ten most spoken languages in the U.S. Learning any of these languages opens the door to deeper human connection and a broader worldview. Studying a second language enhances career opportunities in fields like Law, Nursing, Education, Human Services, Business, International Relations, and more. Employers increasingly value bilingualism and intercultural awareness skills. Students planning to transfer for a B.A. in a modern language should meet with a counselor to ensure they meet all requirements.

Contact Information:

Division: Arts and Humanities (NH - 223)

Division Phone Number: (909) 384-8633

Division Dean: Nori Sogomonian (nsogomon@sbccd.edu), Ed.D.

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- Spanish Associate of Arts Transfer Degree

Spanish Course Tracks

Code	Title	Units
Spanish Heritage Speaker Track		
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4
Spanish Language Learner Track		
SPAN 101	College Spanish I	5
SPAN 102	College Spanish II	5
or SPAN 102H	College Spanish II - Honors	
SPAN 103	College Spanish III [1]	4
or SPAN 103H	College Spanish III - Honors	
SPAN 104	College Spanish IV [2]	4

[1] SPAN 103 and SPAN 103H are equivalent to SPAN 157
[2] SPAN 104 is equivalent to SPAN 158

American Sign Language (ASL)

American Sign Language is the natural language of the Deaf community and is the foundation of Deaf Culture. American Sign Language is used by an estimated 2,500,000 members of the Deaf community in North America. American Sign Language is identified as a legitimate language with its own linguistic properties and grammar. American Sign Language courses are designed to help students develop level-appropriate linguistic, communicative, and cultural competence. Comprehension and expressive practice of American Sign Language occurs within culturally relevant contexts. San Bernardino Valley College offers first, second, third and fourth semester of American Sign Language courses, which are degree, CSU and UC applicable. For those seeking a career as an ASL interpreter, this coursework is the first step in transferring to an interpreter education program.

ASL 109 4 Units
American Sign Language I
Lecture: 72 contact hours
In this course students develop communication skills in American Sign Language including the alphabet, basic vocabulary and grammar of ASL. Both receptive and expressive abilities are emphasized. Students review the characteristics of the deaf community and culture.
Associate Degree Applicable
Transfers to both UC/CSU

ASL 110 4 Units
American Sign Language II
Lecture: 72 contact hours
Prerequisite: ASL 109
The course is second in a series of four ASL courses designed for the student to develop proficiency in ASL usage. Students continue to develop basic conversational skills with emphasis on expanding vocabulary and comprehension/production skills. There are four basic categories: cultural awareness, grammatical features, vocabulary development, and conversational skills.
Associate Degree Applicable
Transfers to both UC/CSU

ASL 111 4 Units
American Sign Language III
Lecture: 72 contact hours
Prerequisite: ASL 110
Students continue to develop conversational skills in American Sign Language and expand their vocabulary and grammar of ASL. Students review primary issues in deaf culture and strengthen their understanding of deaf awareness. Emphasis is on idiomatic constructions as well as comprehension and production skills.
Associate Degree Applicable
Transfers to both UC/CSU

ASL 112 4 Units
American Sign Language IV
Lecture: 72 contact hours
Prerequisite: ASL 111
This course is designed to help students acquire communicative competency in American Sign Language, both comprehension and production skills within the contexts of literature and storytelling. Emphasis is on cultural awareness, grammatical features, vocabulary development, and conversational skills.
Associate Degree Applicable
Transfers to both UC/CSU

ASL 120 3 Units
Introduction to Deaf Studies
Lecture: 54 contact hours
This course explores and develops the awareness of the linguistic, sociological, psychological, educational, audiological, and cultural experiences/perspectives of the Deaf community and the deaf, hard of hearing, Deaf/Blind, and latened deaf in North America. The cultural values, characteristics, and social dynamics will be introduced and explored. Topics will be examined from historical and current day constructs. The experience and dynamics of a d/Deaf individual in America as a minority group, and double/minority will be discussed and explored.
Associate Degree Applicable
Transfers to both UC/CSU

Arabic

Modern Arabic is an official United Nations language that is used across 22 countries with over 300 million native speakers. From Tangier to Cairo, and Sudan to Syria, this sacred language is the key to understanding the cultural and historical diversity of the Arabic world. The objectives of Arabic courses are level-appropriate linguistic competence and increased awareness of Arabic culture. Courses in Arabic include the study of essentials of pronunciation including the Arabic alphabet, symbols and sounds, vocabulary, idioms, and grammatical structures along with an introduction to the key social issues and culture of Arabic-speaking people. SBVC offers a first and second semester of Arabic language courses, which are degree, CSU and UC applicable.

ARAB 101 5 Units
College Arabic I
Lecture: 90 contact hours
This course includes the study of essentials of Modern Standard Arabic (MSA) including pronunciation, the Arabic alphabet, symbols and sounds, vocabulary, idioms, and grammatical structures along with an introduction to the key social issues and culture of Arabic-speaking people. This course corresponds to two years of high school study.
Associate Degree Applicable
Transfers to both UC/CSU

ARAB 102 5 Units
College Arabic II
Lecture: 90 contact hours
Prerequisite: ARAB 101
In this course students continue to develop the ability to converse, read and write in Modern Standard Arabic. The course includes the study of essentials of pronunciation, vocabulary, idioms, and grammatical structures along with an introduction to the key social issues and culture of Arabic speaking people.
Associate Degree Applicable
Transfers to both UC/CSU

Chinese

Mandarin is one of the most widely spoken languages in the world currently spoken by nearly one-fifth of the world's population. Because of its influence in diplomacy, Chinese has become one of the most requested languages after Spanish. Given its universality, Mandarin is a useful language in a global society and economy. SBVC offers a first and second semester of Mandarin Chinese language courses. Courses are designed to help students develop communicative and cultural competence. Students practice listening, speaking, reading, and writing Chinese in culturally relevant contexts. SBVC offers a first and second semester of Chinese Mandarin language courses, which are degree, CSU and UC applicable.

CHIN 101 5 Units
College Mandarin Chinese I
Lecture: 90 contact hours
In this course students develop four major linguistic skills: listening comprehension, speaking, reading and writing in Mandarin Chinese at the beginning level. The course includes the study of essentials of pronunciation, vocabulary and grammatical patterns along with an introduction to the Chinese history, culture, and the geography of the Chinese speaking world.
Associate Degree Applicable
Transfers to both UC/CSU

CHIN 102 5 Units
College Mandarin Chinese II
Lecture: 90 contact hours
Prerequisite: CHIN 101
In this course students will continue to develop four major linguistic skills: listening comprehension, speaking, reading and writing in Mandarin Chinese at the beginning/intermediate level. The course includes the study of essentials of pronunciation, vocabulary and grammatical patterns and expands upon the history, culture, and the geography of the Chinese speaking world.
Associate Degree Applicable
Transfers to both UC/CSU

French

Modern French is spoken in 29 countries, covering five continents, an honor shared only with English. A language of philosophy, political revolution, and romance, it is the source of considerable pride for over 275 million native speakers. Because of its political and economic strengths, French is the third most widely used language on the Internet. The objectives of French courses are level-appropriate linguistic competence and increased awareness of Francophone culture. SBVC offers a first and second semester of French language courses, which are degree, CSU and UC applicable.

FRENCH 101 5 Units
College French I
Lecture: 90 contact hours
In this course students develop the ability to converse, read and write in French. The course includes the study of essentials of pronunciation, vocabulary, idioms and grammatical structures along with an introduction to the culture of French-speaking peoples. This course corresponds to two years of high school study.
Associate Degree Applicable
Transfers to both UC/CSU

FRENCH 102 5 Units
College French II
Lecture: 90 contact hours
Prerequisite: FRENCH 101
This course provides students the opportunity to continue to develop conversational, reading and writing skills in French with special emphasis on past tense verbs, grammar, vocabulary expansion and cultural applications of the French language.
Associate Degree Applicable
Transfers to both UC/CSU

Spanish

Spanish is the language of 560 million people around the world. It is a culturally rich and historically significant language, the use of which spans no less than 3 continents and 20+ countries. Spanish is the second most spoken language in the United States, and it is the dominant language in

many neighboring countries in the Western Hemisphere. The objectives of Spanish courses are level-appropriate linguistic competence and increased awareness of Hispanic culture. Classroom methods incorporate critical thinking and the direct oral approach. Assignments are based on lectures, reading, presentations and individual research. Activities may include homework, workbooks, journals, documentaries, movies, compositions, presentations, interviews, cultural discussions, etc.

The Spanish AA-T is a great first, or second major because fluency is a valuable skill in most professional fields. Advanced Spanish courses are divided into Spanish for Learners and Spanish for Heritage Speakers. Language courses are taken for personal or professional reasons, and/or to meet foreign language degree requirements including the SBVC AA-T degree for Spanish. All courses are transfer level and articulated with CSU/UC systems.

SPAN 101 5 Units
College Spanish I
Lecture: 90 contact hours
In this course students will develop the ability to converse, read, and write in Spanish at a basic level. The course includes the study of essentials of pronunciation, vocabulary, idioms and grammatical structures along with an introduction to the cultures of Spanish speaking countries. This course corresponds to the first two years of high school study.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 100

SPAN 101H 5 Units
College Spanish I - Honors
Lecture: 90 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
In this course students will develop the ability to converse, read, and write in Spanish at a basic level. The course includes the study of essentials of pronunciation, vocabulary, idioms and grammatical structures along with an introduction to the cultures of Spanish speaking countries. This course corresponds to the first two years of high school study. This course is intended for students in the Honors Program, but it is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 100

SPAN 102 5 Units
College Spanish II
Lecture: 90 contact hours
Prerequisite: SPAN 101 or SPAN 101H
In this course students continue to develop conversational, reading and writing skills in Spanish with emphasis on past tense verbs, grammar, vocabulary expansion and the culture of Spanish speaking countries.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 110

SPAN 102H 5 Units
College Spanish II - Honors
Lecture: 90 contact hours
Prerequisite: SPAN 101 or SPAN 101H
In this course students continue to develop conversational, reading and writing skills in Spanish with emphasis on past tense verbs, grammar, vocabulary expansion and the culture of Spanish speaking countries. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 110

SPAN 103 4 Units
College Spanish III
Lecture: 72 contact hours
Prerequisite: SPAN 102 or SPAN 102H
In this intermediate level course students develop complex conversational, reading and writing skills, with emphasis on the subjunctive and hypothetical situations. This course expands vocabulary in the Spanish language and awareness of Hispanic culture.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 200

SPAN 103H 4 Units
College Spanish III - Honors
Lecture: 72 contact hours
Prerequisite: SPAN 102 or SPAN 102H
In this intermediate level course students develop complex conversational, reading and writing skills, with emphasis on the subjunctive and hypothetical situations. This course expands vocabulary in the Spanish language and awareness of Hispanic culture. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 200

SPAN 104 4 Units
College Spanish IV
Lecture: 72 contact hours
Prerequisite: SPAN 103 or SPAN 103H or SPAN 157
This course develops language skills through reading, discussion, analysis, and writing about culturally representative works from Spain and Latin America. Emphasis is on composition and literature as an expression of culture.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 210

SPAN 109 3 Units
Spanish Civilization and Culture
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course offers a broad overview and brief analysis of the rich tapestry of Spain's civilization and culture, spanning from ancient times to the present day. Students will examine major historical periods, diverse territories and lands, and their profound influences on the Spanish language and culture. Through a multidisciplinary approach, the course aims to enhance understanding and appreciation of Spain's historical, cultural, artistic, and linguistic heritage. Instruction is conducted in English, but Spanish majors have the option to submit their work in Spanish.
Associate Degree Applicable
Transfers to both UC/CSU

SPAN 110 3 Units
Latin American Civilization and Culture
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides an overview of Latin American civilizations and cultures. The course aims to foster cultural sensitivity and global awareness of the diversity within Latin America and its global impact. The course includes an exploration of Latin America's rich history, customs, politics, arts, and contemporary issues, including its various indigenous populations, customs and contributions. Instruction is conducted in English, but Spanish majors have the option to submit their work in Spanish.
Associate Degree Applicable
Transfers to both UC/CSU

SPAN 157 4 Units
Spanish for Heritage Speakers I
Lecture: 72 contact hours
Departmental Recommendation: SPAN 102 or SPAN 102H
This course is intended for students with native or near-native proficiency in spoken Spanish. Reading and writing standard literary Spanish is emphasized. Students will develop an increased understanding of academic vocabulary, grammar, orthography, and punctuation. Oral proficiency will also be strengthened. Analyzing and discussing topical, cultural and historically-significant texts will allow students to increase cultural awareness of the Spanish-speaking world and to sharpen critical thinking skills. The course is conducted in Spanish.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 220

SPAN 158 4 Units
Spanish for Heritage Speakers II
Lecture: 72 contact hours
Prerequisite: SPAN 157
This course is designed for students who already communicate in Spanish and who want to develop and strengthen reading and writing skills with special emphasis on vocabulary expansion, through reading, discussion, and analysis of culturally representative works from Spain and Latin America. Emphasis is on correct usage of standard Spanish. Course is conducted primarily in Spanish, producing skills equivalent to Spanish 104.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SPAN 230

Spanish Associate in Arts for Transfer Degree

The Associate in Arts for Transfer (AA-T) degree in Spanish has a threefold purpose. It is designed to help students: increase proficiency in the language; understand the cultures of the Spanish-speaking world; and, meet the requirements for completion of the bachelor's degree in the CSU or UC systems. Students who complete the Spanish AA-T will have a solid foundation in reading, writing, speaking, and comprehending Spanish. Additionally, they will have developed a deeper awareness and understanding of the unique and diverse cultural milieu of Latin America and Spain. The skills acquired will help students prepare for a variety of careers in areas where a knowledge of Spanish is desirable, such as business, healthcare, journalism, education, communications, public safety, and more.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Spanish AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Spanish should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses: [1]		
SPAN 101	College Spanish I	5
or SPAN 101H	College Spanish I - Honors	
SPAN 102	College Spanish II	5
or SPAN 102H	College Spanish II - Honors	
SPAN 103	College Spanish III	4
or SPAN 103H	College Spanish III - Honors	
or SPAN 157	Spanish for Heritage Speakers I	
SPAN 104	College Spanish IV	4
or SPAN 158	Spanish for Heritage Speakers II	
List A - One course from the following:		
ENGL 163	Chicana/o Literature	3
or ETHS 163	Chicana/o Literature	
HIST 140	Chicano Experiences in U.S. History	3
or HIST 140H	Chicano Experiences in U.S. History - Honors	
or HIST 150	Introduction to Latin American History	
SPAN 109	Spanish Civilization and Culture	3
SPAN 110	Latin American Civilization and Culture	3

Code	Title	Units
Major Total Units		**21**
Total Double-Counted Units		**6**
General Education (Cal-GETC) Units		**34**
Elective Units		**11**
Total Units		**60**

[1] Note: If a student places out of any core course(s) and is not awarded units for that course, the student will need to take additional units from List A to compensate or complete the following approved course substitutions (ANTH 102, ANTH 102H, ANTH 125, COMM 174, ETHS 141, ETHS 141H, GEOG 102, SOCI C1000, SOCI C1000H, SOCI 141, SOCI 141H, SOCI 145) to meet the 18-unit requirement for the major.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Communicate orally and in writing using academic, standard Spanish.
b. Recognize and relate to the diverse Spanish speaking populations around the world.
c. Read, analyze and interpret contextual readings and literature in Spanish.
d. Investigate culturally diverse settings and determine the appropriate language register.
e. Compare and contrast cultural and linguistic customs within the Spanish speaking population.

Music

The SBVC Music Department offers a comprehensive program of music study. The faculty and students in the department of music share a deep and abiding love for their art and a common desire to achieve excellence in it. The curriculum provides basic preparation for careers in music or further study and is designed to provide a balanced education in the many facets of musical experience. It is the goal of the music department to help students develop their own musical and intellectual potential to the highest possible level.

The Department offers both an AA Degree and an AA-T Degree in Music. Students planning to transfer to a four-year institution and major or minor in Music should consult with a counselor regarding the transfer process and lower-division requirements, as well as reach out to the Faculty Chair.

Contact Information:

Division: Arts and Humanities (NH - 223)

Division Phone Number: (909) 384-8633

Division Dean: Nori Sogomonian (nsogomon@sbccd.edu), Ed.D.

Faculty Chairs: Melinda Fogle (mfogle@sbccd.edu), Ph.D. and Jessica Gordon (jgordon@sbccd.edu), M.M.

Counselor Liaisons:

- Tahirah (Ty) Simpson (tsimpson@sbccd.edu), M.S.Ed., PPS
- Michelle Tinoco (mtinoco@sbccd.edu), M.A.

- Music Associate in Arts for Transfer Degree
- Music Associate of Arts Degree

MUS 100 3 Units
Music Appreciation
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course introduces students to music in western civilization and methods of music listening. Included in this course are guidelines for thoughtful music selection, basic musical forms, cross-cultural studies in music, music periods and styles, a discussion of patrons and audiences, careful consideration of the role of women in creating music, history of art music, popular music, world music, and jazz.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 100

MUS 100H 3 Units
Music Appreciation - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course introduces students to music in western civilization and methods of music listening. Included in this course are guidelines for thoughtful music selection, basic musical forms, cross-cultural studies in music, music periods and styles, a discussion of patrons and audiences, careful consideration of the role of women in creating music, history of art music, popular music, world music, and jazz. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 100

MUS 101 3 Units
Music Theory I: Fundamentals
Lecture: 54 contact hours
Corequisite: MUS 101L
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course studies music terminology, elements of music (pitch, duration, intensity, and timbre), rhythmic analysis, major scales and their key signatures, chromatic scales, intervals, and solfeggio syllables. It is a course designed for the beginning student with a moderate interest in the structure of music. It is also designed for the music major and as such serves as the first in a four-part series of music theory courses.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 120

MUS 101L 1 Unit
Musicianship I
Lab: 54 contact hours
Corequisite: MUS 101
Specifically, this course applies the materials studied in Music Theory I through sight-singing (using solfeggio syllables), keyboard skills (the playing of scales and identification of pitches on the keyboard), recognition and performance of intervals, and some ear-training (melodic dictation). This course is the companion course to MUS 101.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 125

MUS 102 3 Units
Music Theory II: Scales and Modes
Lecture: 54 contact hours
Prerequisite: MUS 101 and MUS 101L
Corequisite: MUS 102L
This course is a foundational discussion of analytical and compositional techniques through a progressive study of the following: four-part chorale composition (in diatonic harmony) including secondary dominants and other applied chordal structures; basic introduction into contrapuntal writing (two part only), voice leading, additional non-harmonic tones and modulation to relative, parallel and distant keys. It is the second in a four-part series of music theory courses designed for the music major.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 130

MUS 102L 1 Unit
Musicianship II
Lab: 54 contact hours
Prerequisite: MUS 101 and MUS 101L
Corequisite: MUS 102
Departmental Recommendation: MUS 134
This course continues to focus on the study of musicianship through its components. It explores dictation skills (the notation of aural impressions), the continued use of solfeggio syllables to discern pitches within a tonal framework, keyboard fundamentals, and is designed to elevate the student's level of dictation and musical analysis. It is the companion course to MUS 102.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 135

MUS 103 3 Units
Introduction to the Music Industry
Lecture: 54 contact hours
This course is an overview of the music industry, emphasizing the skills, experience, and education required for various careers within the field. Additional topics include music publishing, performing rights organizations, music licensing, digital distribution, record labels, and artist management.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CMUS 140X

MUS 104 3 Units
History of Rock and Roll
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a chronological survey of rock music styles. Included in the course is a study of the origins and the development of Rock and Roll. The major performing artists, composers, lyricists, promoters and arrangers are all studied. A major aspect of the course is the emphasis on how Rock and Roll has impacted Western culture.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 105 3 Units
American Popular Music
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course traces the social history of America through a study of the eras of popular American music. By examining the various styles, the outstanding musicians and the leading composers exemplary of those styles, this class illustrates how the historical era impacts the music and how the music reflects the historical era. The course begins with a discussion of popular music examining the popular songs of the colonies and the schools of singing that developed. The discussion continues through the music of the Civil War and tracks popular music across the great westward expansion. It concludes with studies of Gospel, Blues, Jazz and ultimately Rock and Roll.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 106 3 Units
History of Jazz
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a chronological survey of Jazz forms, styles, and movements. Included in the course is a study of the origins and the development of Jazz. The major performing artists, composers, lyricists and arrangers are all studied. An emphasis is placed on the impact of Jazz on Rock and Roll and Pop Music. Another emphasis is placed on the impact of Classical Music on Jazz as well as the impact that Jazz has had in recent years on Classical Music.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 107 3 Units
Music Cultures of the World
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a survey of traditional and folk music of global continents and cultures. The course includes live and filmed performances, as well as introductions to various significant indigenous musical instruments. Students are introduced to instrumental and vocal techniques, musical structures, and performance contexts within selected cultures of the world. The impact and influence of global musical cultures on western music is a main focus in this course.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 108 3 Units
History of Hip Hop Music
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course presents the development of Hip hop as a musical style and cultural movement. Students will examine key figures in Hip hop, institutions, and social settings through readings, electronic media, videos, and live performance. Students will also investigate how Hip hop culture is not only a source of entertainment, but also a medium that analyzes and/or provides commentary regarding social, economic, political, and cultural issues dealing with identity, cultural genocide, misogyny, racism, classism, materialism, freedom of speech, and sexuality.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 117A 1 Unit
Elementary Acoustic Guitar
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of basic guitar emphasizing stringing, tuning and fingering. Students must provide their own acoustic guitar.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 117B 1 Unit
Intermediate Acoustic Guitar
Lab: 54 contact hours
Prerequisite: MUS 117A
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of intermediate guitar emphasizing stringing, tuning and fingering. The development of playing techniques and notation will also be studied. Students must provide their own acoustic guitar.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 117C 1 Unit
Intermediate/Advanced Acoustic Guitar
Lab: 54 contact hours
Prerequisite: MUS 117B
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of intermediate/advanced guitar emphasizing stringing, tuning and more complex fingering. The development of playing techniques, notation, reading guitar music and the playing of melodies will also be studied. Students must provide their own acoustic guitar.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 117D 1 Unit
Advanced Acoustic Guitar
Lab: 54 contact hours
Prerequisite: MUS 117C
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of advanced guitar with an emphasis on stringing, tuning and complex fingering. The development of playing techniques, notation, reading guitar music, playing melodies, chord construction, and accompaniment will also be studied. Students must provide their own acoustic guitar.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 120 3 Units
Songwriting
Lecture: 36 contact hours
Lab: 54 contact hours
In this course, students will analyze and apply key musical elements, such as rhythm, form, melody, and harmony, while exploring the relationship between lyrics and music. Students will develop their own compositions and demonstrate understanding through original songwriting and performance. Basic knowledge of music fundamentals is helpful but not required.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: CMUS 150X

MUS 121 3 Units
Music History and Literature - Middle Ages through Baroque
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides an overview of the historical development of music from the Middle Ages (1450) through the Baroque Period (1750). Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to historical events.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 105

MUS 121H 3 Units
Music History and Literature - Middle Ages through Baroque - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course provides an overview of the historical development of music from the Middle Ages (1450) through the Baroque Period (1750). Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to historical events. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 105

MUS 122 3 Units
Music History and Literature - Classic through Contemporary
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course provides an overview of the historical development of music from Classicism (1750) to the present. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to political and artistic events.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 106

MUS 122H 3 Units
Music History and Literature - Classic through Contemporary - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course provides an overview of the historical development of music from Classicism (1750) to the present. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to political and artistic events. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 106

MUS 123 3 Units
Electronic Music I
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to computer-based music recording techniques using electronic and digital interfaces. Course topics include electronic sequencing software, notation software, basic digital audio, microphones, interfaces, and other hardware used in recording studios.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 124 3 Units
Electronic Music II
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: MUS 123
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course will cover advanced uses of sequencing software, notation software, digital audio, microphones, interfaces, and other hardware used in recording studios.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 130 3 Units
Elementary Voice
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction and progressive study of vocal techniques including muscular aspects and sound of producing properties of the vocal mechanism with emphasis on singing and vocal projection used in speech, drama, and standard vocal literature.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 131 3 Units
Intermediate Voice
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: MUS 130
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is designed for the singer who has had formal vocal training and wishes to pursue additional training for a career in the vocal arts. Emphasis is on vocal technique, voice quality, expression, style, interpretation, stage presence, and multi-language diction.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 133 1 Unit
Elementary Piano
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course teaches practical keyboard facility that is applicable for the piano, organ, and electronic keyboard. It emphasizes sight reading, elementary improvisation, harmonization of folk and pop melodies, and leads to performance of simple piano selections.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 170

MUS 134 1 Unit
Intermediate Piano
Lab: 54 contact hours
Prerequisite: MUS 133
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course focuses on the improvement of keyboard facility and sight reading abilities, utilizing improvisation and harmonization skills through simplified arrangements and original composition. This course will be useful for those desiring to strengthen keyboard skills.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 171

MUS 135 1 Unit
Advanced Piano
Lab: 54 contact hours
Prerequisite: MUS 134 and MUS 102 and MUS 102L or an audition with the instructor.
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course focuses on the improvement of keyboard facility and sight-reading abilities. It advances improvisation and harmonization skills. It is primarily concerned with more advanced complex piano works by the master composers: Chopin, Beethoven, Mozart, Brahms and others.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 172

MUS 141X2 0.5 Units
Applied Music I
Lab: 27 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Students receive credit for a minimum of one-half hour of weekly private instruction on a musical instrument or voice. Daily laboratory practice, concert and ensemble participation are required. The course is open to all students in the college, with enrollment priority given to music majors. An audition with the director is mandatory for participation in this course. Public performances are mandatory.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 160

MUS 150X4 1 Unit
Mixed Chorus
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course develops foundational techniques in such aspects of choral music as breathing, posture, tone production, enunciation and musicianship. This ensemble focuses on choral music from a variety of stylistic periods including classical, spiritual, folk and musical theatre. Neither experience nor an audition is necessary. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 152X4 1 Unit
Chamber Singers
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
In this course, students will study and perform a wide variety of outstanding music literature from all periods suitable to a chamber group, including classical genres and contemporary art music as well as musical theater and opera excerpts. An audition with the director is mandatory. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 153X4 1 Unit
Chamber Chorale
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This is a small (20) ensemble of singers, each with considerable solo and choral classical music experience. Students will train as both classical vocal soloists and choral musicians. Students will study intonation, sectional balance and choral blending. Repertoire will be entirely classical in nature, in multiple languages and composed specifically with a small intimate sound in mind. An audition with the director is mandatory. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 154X4 1 Unit
College Singers
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
In this course, students will study and perform a wide variety of outstanding music literature from all periods suitable to a large sized choral ensemble, including music from the Renaissance, Baroque, and Romantic eras. Neither experience nor an audition is necessary. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 156X4 1 Unit
Concert Choir
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
In the course, students will study and perform a wide variety of outstanding music literature from all periods suitable to a medium to large size chorale, including music of a classical nature from the Renaissance Period to the Twentieth Century. Neither experience nor an audition is necessary. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 158X4 1 Unit
Gospel Choir
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Repertoire in the course focuses on the African-American gospel traditions. Historical analysis of the spirituals, as well as vocal and performing techniques are emphasized. An audition with the director is mandatory. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 159X4 1 Unit
Theatrical Music Workshop
Lab: 54 contact hours
Prerequisite: MUS 130 or MUS 152X4 or MUS 154X4 or MUS 156X4
In this course, students study the art of stage movement as it is paired with acoustical song (singing without amplification). Repertoire for this class consists of Opera, Oratorio, Operetta and Operatics excerpts. Students study characterization and stage movement in both principal and chorus parts. Students participate in costuming, makeup and stagecraft. Students are strongly advised to have some classical vocal training prior to enrollment in this course. This course may be taken four times.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 160X4 1 Unit
Commercial Music Ensemble
Lab: 54 contact hours
Students will study, rehearse and perform in a variety of commercial music styles including but not limited to the blues, rock 'n' roll, folk, hip-hop, pop, electronic music, and original material. This class is open to all instrumentalists, MIDI instruments/controllers, vocalists, emcees, and DJs. An audition with the director is mandatory for participation in this ensemble. Public performances are mandatory. Instrument rentals cannot be guaranteed. Some experience on instrument is required. This course may be taken four times for credit.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 185

MUS 162X4 1 Unit
Wind Ensemble
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is for the study, rehearsal, and public performance of musical literature, with an emphasis on the development of skills needed to perform within an ensemble and be emulated by future teachers. This group is the premier classical instrumental ensemble featuring wind, brass, and percussion instruments. An audition with the director is mandatory for participation in this ensemble. Public performances are mandatory.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 166X4 1 Unit
Concert Band
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is for the study, rehearsal, and public performance of musical literature, with an emphasis on the development of skills needed to both perform within an ensemble, and be emulated by future teachers. This group features wind, brass, and percussion instruments; and will rehearse and perform standard band literature. An audition with the director is mandatory for participation in this ensemble.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 180

MUS 167X4 1 Unit
Jazz Combo
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is for the study, rehearsal, and public performance of classic jazz small group repertoire. The group will feature 1-3 horns (saxophone, trumpet, trombone) and rhythm section selected through a mandatory audition process. Special emphasis is placed on learning tunes from recordings and playing improvised solos.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 168X4 1 Unit
Jazz Band
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is for the study, rehearsal, and public performance of music literature within the jazz big band idiom. The group will feature saxophone, trombone, trumpet, and rhythm sections selected through a mandatory audition process. Special emphasis is placed on the development of sight reading, jazz style and phrasing, and improvisation.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 170X2 1 Unit
Jazz Improvisation and Theory I
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course presents the beginning concepts of Jazz improvisation skills and Jazz theory. Emphasis is placed on swing, bebop, and blues. This course is open to instrumentalists and vocalists. An audition with the director is mandatory for participation in this ensemble.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 185

MUS 171X2 1 Unit
Jazz Improvisation and Theory II
Lab: 54 contact hours
Prerequisite: MUS 170x2
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course presents the intermediate to advanced concepts of Jazz improvisation skills and Jazz theory. This is an ensemble with emphasis placed on modal and pentatonic scales, hard bop style, and modern jazz. An audition with the director is mandatory for participation in this ensemble.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 185

MUS 180X4 1 Unit
Instrumental Chamber Music
Lab: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course covers the study and performance of instrumental chamber literature. Students will be organized into various chamber music ensembles to prepare, perform, and record assigned literature. An audition with the director is mandatory for participation in this ensemble.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 185

MUS 201 3 Units
Music Theory III: Basic Harmony
Lecture: 54 contact hours
Prerequisite: MUS 102 and MUS 102L
Corequisite: MUS 201L
This course represents a complete study of the diatonic harmonies from the 17th, 18th and 19th centuries. It includes a review of triad formations and the principles of voice-leading. Included in the course is a review study of seventh chords, secondary dominants, non-harmonic tones, realization of figured bass lines and rudimentary formal analysis. It also includes an introduction of augmented-sixth chords, secondary/applied chords, modulation to more remote keys, Neapolitan sixth chords and some chromatic harmony. An important part of this class is the analysis of chorales by J.S. Bach. This course is the third of a four-part series of theory courses and is primarily designed for the music major.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 140

MUS 201L 1 Unit
Musicianship III
Lab: 54 contact hours
Prerequisite: MUS 102 and MUS 102L
Corequisite: MUS 201
This course emphasizes the further development of skills in sight-singing melodies of simple and compound meter, sight singing of multiple part compositions in both major and minor modes, phrases with an anacrusis and intervals beyond the third. The course includes the study of modulating melodies, two-part melodic dictation, the dictation of triads (in all positions) as well as diatonic seventh chords and simple chord progressions. The course will include the study of all existent triads from the major and minor scales and all church modes as they are performed at the keyboard. It is the companion course to MUS 201.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 145

MUS 202 3 Units
Music Theory IV: Harmony
Lecture: 54 contact hours
Prerequisite: MUS 201 and MUS 201L
Corequisite: MUS 202L
The course is a conclusive study of diatonic harmonies, including further work with secondary dominant chord structures, and figured bass line realizations. It also includes an extensive study of ninth chords: complete, incomplete, and dominant ninth. A study of Neapolitan and augmented sixth chords, 9th, 11th, 13th chords as well as a study of 20th century techniques and Impressionism will be undertaken. The class will conclude its study of Bach chorales and other brief forms. This course is the fourth in a four-part series of theory courses designed for the music major and incorporates the concepts from MUS 201.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 150

MUS 202L 1 Unit
Musicianship IV
Lab: 54 contact hours
Prerequisite: MUS 201 and MUS 201L
Corequisite: MUS 202
This course emphasizes further development of skills in sight-singing by the singing of modal melodies, melodies with non-diatonic tones and melodies containing larger intervals. The course includes dictation of melodies with non-diatonic tones as well as modal melodies. Further, dictation of secondary dominants, augmented and Neapolitan sixth chords and modulations to distantly-related keys are included. Rhythmic dictation with changing meters and mini and maxi triplets are studied. This course is the companion course to MUS 202.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 155

MUS 210 3 Units
Conducting
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: MUS 102 or MUS 102L
This course is an introduction to basic conducting techniques including the practice of basic beat patterns, score reading, and rehearsal techniques. It offers an opportunity to learn and apply the techniques needed for group direction and leadership. Also included are sessions in problem solving and decision making with regard to tempo, dynamics, instrumentation, blend, balance, rhythmic and pitch accuracy.
Associate Degree Applicable
Transfers to both UC/CSU

MUS 222 1-3 Units
Independent Study in Music
DIR: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Students with previous course work in music may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of music. Prior to registration, a written contract must be prepared. See instructor for details.
Associate Degree Applicable
Transfers to CSU only

MUS 241X2 0.5 Units
Applied Music II
Lab: 27 contact hours
Prerequisite: MUS 141x2
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Students receive credit for a minimum of one-half hour of weekly private instruction on a musical instrument or voice. Daily laboratory practice, concert and ensemble participation are required. The course is open to all students in the college, with enrollment priority given to music majors.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MUS 160

Music Associate of Arts Degree

The AA in Music degree provides students with foundational skills to pursue a variety of music careers. Completing this program may be followed by advanced degrees with specialties including music education, music performance, commercial music/music industry, jazz studies, and other music-related fields.

Code	Title	Units
Required Courses:		
Theory Courses:		
MUS 101	Music Theory I: Fundamentals	3
MUS 101L	Musicianship I	1
MUS 102	Music Theory II: Scales and Modes	3
MUS 102L	Musicianship II	1
MUS 201	Music Theory III: Basic Harmony	3
MUS 201L	Musicianship III	1
MUS 202	Music Theory IV: Harmony	3
MUS 202L	Musicianship IV	1
Music History - Complete one course from the following:		
MUS 104	History of Rock and Roll	3
MUS 105	American Popular Music	3
MUS 106	History of Jazz	3
MUS 107	Music Cultures of the World	3
MUS 108	History of Hip Hop Music	3
MUS 121	Music History and Literature - Middle Ages through Baroque	3
or MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	
MUS 122	Music History and Literature - Classic through Contemporary	3
or MUS 122H	Music History and Literature - Classic through Contemporary - Honors	
Applied Courses:		
Complete 4 semesters totaling 2 units		
MUS 141X2 & MUS 241X2	Applied Music I and Applied Music II	1
Applied Ensemble Courses:		
Complete 4 semesters totaling 4 units		
MUS 150X4	Mixed Chorus	1
MUS 152X4	Chamber Singers	1
MUS 154X4	College Singers	1
MUS 156X4	Concert Choir	1
MUS 158X4	Gospel Choir	1
MUS 160X4	Commercial Music Ensemble	1
MUS 162X4	Wind Ensemble	1
MUS 166X4	Concert Band	1
MUS 167X4	Jazz Combo	1
MUS 168X4	Jazz Band	1
MUS 180X4	Instrumental Chamber Music	1
Complete one pathway from the following:		
Commercial Music		
MUS 103	Introduction to the Music Industry	3
MUS 120	Songwriting	3
MUS 123	Electronic Music I	3
MUS 124	Electronic Music II	3
Instrumental		
MUS 117A	Elementary Acoustic Guitar	1
MUS 117B	Intermediate Acoustic Guitar	1
MUS 117C	Intermediate/Advanced Acoustic Guitar	1
MUS 117D	Advanced Acoustic Guitar	1
MUS 133	Elementary Piano	1
MUS 134	Intermediate Piano	1
MUS 135	Advanced Piano	1
Jazz		
MUS 170X2	Jazz Improvisation and Theory I	1
MUS 171X2	Jazz Improvisation and Theory II	1
Vocal		
MUS 130	Elementary Voice	3
MUS 131	Intermediate Voice	3
MUS 133	Elementary Piano	1
Total Units		**27-37**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Compare musical styles by identifying musical differences of various forms and genres.
b. Interpret and formulate fundamentals of music theory.
c. Distinguish the social and cultural relevance of music by examining historical and cultural contributions.
d. Demonstrate basic technical proficiency through instrumental performance, vocal performance, or electronic music composition.

Music Associate in Arts for Transfer Degree

The Associate of Arts for Transfer (AA-T) in Music develops a well-rounded musician. Students who pursue this degree will have guaranteed admission to a California State University (CSU) campus upon successful completion of the specified program requirements. This degree provides students with transfer preparation and pre-professional training. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Music AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Music should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
MUS 101	Music Theory I: Fundamentals	3
MUS 101L	Musicianship I	1
MUS 102	Music Theory II: Scales and Modes	3
MUS 102L	Musicianship II	1
MUS 201	Music Theory III: Basic Harmony	3
MUS 201L	Musicianship III	1
Applied Music:		
MUS 141X2 & MUS 241X2	Applied Music I and Applied Music II	1
Large Ensemble:		
Select four units from the following:		4
MUS 150X4	Mixed Chorus	1
MUS 152X4	Chamber Singers	1
MUS 153X4	Chamber Chorale	1
MUS 154X4	College Singers	1
MUS 156X4	Concert Choir	1
MUS 158X4	Gospel Choir	1
MUS 162X4	Wind Ensemble	1
MUS 166X4	Concert Band	1
MUS 167X4	Jazz Combo	1
MUS 168X4	Jazz Band	1
MUS 170X2	Jazz Improvisation and Theory I	1
MUS 171X2	Jazz Improvisation and Theory II	1
MUS 180X4	Instrumental Chamber Music	1
List A - (3-4 units)		
MUS 100	Music Appreciation	3
or MUS 100H	Music Appreciation - Honors	
MUS 121	Music History and Literature - Middle Ages through Baroque	3
or MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	
MUS 122	Music History and Literature - Classic through Contemporary	3
or MUS 122H	Music History and Literature - Classic through Contemporary - Honors	
MUS 133	Elementary Piano	1
MUS 134	Intermediate Piano	1
MUS 135	Advanced Piano	1
MUS 202	Music Theory IV: Harmony	3
MUS 202L	Musicianship IV	1

Code	Title	Units
Major Total		**21-22**
Total Double-Counted Units		**3**
General Education (Cal-GETC) Units		**34**
Elective Units		**7-8**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Compare musical styles by identifying musical differences of various forms and genres.
b. Interpret and formulate fundamentals of music theory.
c. Distinguish the social and cultural relevance of music by examining historical and cultural contributions.
d. Demonstrate basic technical proficiency through performance of playing a musical instrument or lyrical singing.

Nursing

San Bernardino Valley College's Nursing Program, approved by the California Board of Registered Nursing, is a two-year program designed to prepare students to give direct nursing care to clients in various practice settings. The Associate of Science Degree in Nursing (ADN) prepares students as providers of care across the health/illness continuum and as members within the profession. SBVC's Nursing Program respects the individuality of the student and aims to provide a positive, innovative learning community that enables the development of critical thinking and problem solving skills so that students are equipped to deliver care to a culturally diverse population in a variety of healthcare settings. Upon successful completion the ADN, students are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Contact Information:

Division: Health Sciences (HLS - 101)

Division Phone Number: (909) 384-4450

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Director of Nursing: Angie Vogel (avogel@sbccd.edu), MSN-ED RN CNE

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Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

Department Website (https://www.valleycollege.edu/academic-career-programs/degrees-certificates/nursing/)

Prerequisites for the Associate Degree in Nursing (ADN) Program

Accepted Students are admitted in the Fall and Spring semesters. Students must complete required prerequisites to apply. Students must also meet application requirements on the Application Page.

Prerequisite Courses - Required G.P.A.

General Education G.P.A.: 3.0
Science G.P.A.: 2.8

Prerequisites - Required General Education Courses:

The GE courses below must be completed with grade of C or higher and a minimum of a 3.0 G.P.A:

Code	Title	Units
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
COMM C1000	Introduction to Public Speaking	3
or COMM C100	Introduction to Public Speaking - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
or ANTH 102	Cultural Anthropology	
or ANTH 102H	Cultural Anthropology - Honors	
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
Arts/Humanities - Complete one to three units [1]		
Ethnic Studies - Complete three units maximum from the courses below:		
ETHS 100	Introduction to Ethnic Studies	
ETHS 103	Ethnicity and Identity in Media	
or FTVM 103	Ethnicity and Identity in Media	
ETHS 107	Native American Experiences in U.S. History	
or HIST 107	Native American Experiences in U.S. History	
ETHS 108	Introduction to Native American Studies	
or ANTH 108	Introduction to Native American Studies	
or ANTH 108H	Introduction to Native American Studies - Honors	
ETHS 141	Race and Ethnic Relations	
or ETHS 141	Race and Ethnic Relations - Honors	
or SOCI 141	Race and Ethnic Relations	
or SOCI 141H	Race and Ethnic Relations - Honors	
ETHS 163	Chicana/o Literature	
or ENGL 163	Chicana/o Literature	
ETHS 165	African-American Literature	
or ENGL 165	African-American Literature	

[1] See Associate Degree Graduation Requirements Area 3A (p. 51)for list of arts and humanities courses.

Prerequisites - Required Science Courses:

Science courses listed below must be completed with a grade of C or higher and a minimum G.P.A. of 2.8 in the three courses:

Code	Title	Units
Human Anatomy and Physiology		
Select one series from the following:		
BIOL 250 & BIOL 251	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
BIOL 260 & BIOL 261	Human Anatomy and Human Physiology	8
Microbiology		
BIOL 270	Microbiology	5

Note: Online sciences will not be accepted. BIOL 250 & BIOL 251 must be completed at the same regionally accredited institution.

Recommended Courses

Code	Title	Units
CIT 144	Medical Terminology	3
PHT 062	Pharmacology I	3
PHT 064	Pharmacy Calculations	3

Application to the Nursing Program

Applications to the nursing program may only be submitted when all program prerequisites have been completed and met GPA requirements.

Admission to the program is based on a multi-criteria points system. Applications must be received when application period is open, please visit the SBVC Nursing website (https://www.valleycollege.edu/academic-career-programs/degrees-certificates/nursing/) for updated information on when application period is open. Applications are available online during the application periods. Incomplete applications will not be accepted. The Test of Essential Academic Skills (TEAS) is by invitation only.

Overview of the Application Process:

Step One: Submit the following to the College Admissions and Records Office

- Official Transcripts: Students must have completed high school or equivalent (transcripts, G.E.D., or the California State High School Proficiency Exam). International Students must show high school equivalent through third party. The documents below must be submitted to Admissions and Records.
  - Evaluation of prior college credit - Official college transcripts from all colleges or universities attended except for SBVC Transcripts must be issued within the last 6 months and document that the program prerequisites have been completed.
  - International transcripts must be evaluated for equivalency.
  - High school completion or equivalent (transcript, G.E.D. or the California State High School Proficiency Exam).
  - International students need their high school equivalency evaluated by outside agency

Step Two: Complete Program Prerequisite Courses and Meet G.P.A. Requirements

- Students must have completed the program prerequisites with the following G.P.A: (See Prerequisite Page for additional information)
  - General Education G.P.A.: 3.0
  - Science G.P.A.: 2.8

Step Three: Electronically submit nursing program application during open application period.

Step Four: Upon Invitation from the ADN Program

- Complete TEAS Entrance Exam

Selection Process

- Round 1 selected applicants will be selected based on a multi-criteria selection process (point system).
- Round 2 selected applicants will be invited back to take the TEAS exam that will determine entry into the nursing program.
- Entrance to the nursing program is limited to students who have completed all prerequisites, met all G.P.A. requirements, taken the TEAS exam.

LVN to RN Career Ladder

The Nursing Program offers an LVN to RN Career Ladder allowing Licensed Vocational Nurses (LVN) to become Registered Nurses (RN) by completing the required prerequisites and nursing coursework.

The application, prerequisites, and scoring system are the same for the LVN to RN Career Ladder as SBVC's ADN Program. Prerequisites must be completed at the time of application. LVNs must be licensed and have one year's full-time LVN work experience. Applicants to the LVN to RN Career Ladder Program will be invited to take the TEAS. Accepted students will be given a series of challenge exams and may be placed in either the first, second, or third semester of the nursing program, depending on exam results. Students are welcome to reapply if their application is denied and it is recommended that they meet with a counselor prior to re-application. Students applying on the point system for the LVN to RN Career Ladder Program will not be competing with the SBVC's ADN applicants. Instead, they will be considered for admission using a separate pool with LVN to RN students.

Requirements for LVN to RN Career Ladder

a. Complete all program prerequisites. (Same as the ADN Program)
b. One year's full-time work experience as an LVN
c. Current California LVN license
d. Employment verification with signature - letter verifying employment as an LVN
e. Detailed Résumé summarizing work experience as an LVN (employer, type of patient care unit, month/year starting and ending dates)
f. Upon admission to the ADN Program the LVN to RN candidate will:
   i. Enroll in NURS 140 Vocational to Professional Nurse
   ii. Be provided the opportunity to challenge the first and second semester nursing courses consisting of NURS 151, NURS 160, and NURS 161. A student's final placement into either first, second, or third semester of the nursing program will be dependent on passing the required challenge exams for first and second semester.

LVN 30-Unit Option (California Code Regs 1429) Preparation Requirements

(a) An applicant who is licensed in California as a vocational nurse is eligible to apply for licensure as a registered nurse if such applicant has successfully completed the courses prescribed below and meets all the other requirements set forth in section 2736 of the code. Such applicant shall submit evidence to the board, including a transcript, of successful completion of the requirements set forth in subsection (c) and of successful completion or challenge of courses in physiology and microbiology comparable to such courses required for licensure as a registered nurse.

(b) The school shall offer objective counseling of this option and evaluate each licensed vocational nurse applicant for admission to its registered nursing program on an individual basis. A school's determination of the prerequisite courses required of a licensed vocational nurse applicant shall be based on an analysis of each applicant's academic deficiencies, irrespective of the time such courses were taken.

(c) The additional education required of licensed vocational nurse applicants shall not exceed a maximum of thirty (30) semester or forty-five (45) quarter units. Courses required for vocational nurse licensure do not fulfill the additional education requirement. However, other courses comparable to those required for licensure as a registered nurse, as specified in section 1426, may fulfill the additional education requirement.

Nursing courses shall be taken in an approved nursing program and shall be beyond courses equivalent to the first year of professional nursing courses. The nursing content shall include nursing intervention in acute, preventive, remedial, supportive, rehabilitative, and teaching aspects of nursing. Theory and courses with concurrent clinical practice shall include advanced medical-surgical, mental health, psychiatric nursing, and geriatric nursing. The nursing content shall include the basic standards for competent performance prescribed in section 1443.5 of these regulations.

SBVC Nursing Department policy for the LVN 30 Unit Option

a. The 30-Unit Option LVN (Licensed Vocational Nurse) to RN (Registered Nurse) program is available to individuals licensed as LVNs in California.
b. Successful completion of prescribed courses provides eligibility to apply for licensure by examination as an RN in the State of California, however, completion does not meet the requirements for the Associate of Science Degree in Nursing (ADN).
c. Students completing this program will not be a graduate of the college's nursing program and cannot receive the program's nursing pin.
d. Students qualifying for admission to the 30 unit option are placed on a space available basis.

Note: Additionally, several states in the United States will not recognize persons completing this option as being an RN, even though they have successfully completed the NCLEX-RN examination. The licensure resulting from completion of this option cannot be changed later.

LVN 30 Unit Option

Code	Title	Units
Required Courses:		
BIOL 261	Human Physiology	4
BIOL 270	Microbiology	5
NURS 140	Vocational to Professional Nurse	2
NURS 161	Beginning Medical Surgical Nursing	5
NURS 251	Intermediate Medical Surgical Nursing	5
NURS 260	Psychiatric-Mental Health Nursing	4
NURS 261	Complex Care and Leadership	5
Total Units		**30**

Challenge/Advanced Placement for Military Education and Experience

Please refer to the Military Challenge/Advanced Placement policy on the SBVC ADN Program (https://www.valleycollege.edu/academics/pathways/hwa/nursing/) website.

- Nursing Associate of Science Degree

NURS 140 2 Units
Vocational to Professional Nurse
Lecture: 18 contact hours
Lab: 54 contact hours
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This course prepares Licensed Vocational Nurses (LVN) to transition into the Registered Nursing (RN) program. This is a first-year course that focuses on the nurse's role in the collection of assessment data, identifying the relevance of the data collected, the analysis of patient priorities, the implementation of nursing interventions, and evaluation of patient care for diverse adult patients. This course includes role transition content, nursing process, standards of practice, and critical thinking in nursing. In the degree option, challenge examinations covering first and second semester medical-surgical and maternity nursing content will determine eligibility for placement in the program. Application of KSAs will occur in the hospital, on-campus skills laboratory, and simulation settings.
Associate Degree Applicable
Transfers to CSU only

NURS 150 4 Units
Foundations of Nursing
Lecture: 36 contact hours
Lab: 108 contact hours
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This course focuses on the nurse's role in the collection of assessment data, identifying the relevance of the data collected, the analysis of patient priorities, the implementation of nursing interventions, and the evaluation of patient care for diverse adults including older adults ages 65 and over by focusing on universal practices including physical assessment, safety, infection control, hygiene, body mechanics, activity/exercise, nutrition, pain management, cultural awareness, communication and documentation. Application of KSAs will occur in the hospital, on-campus skills laboratory, and simulation settings.
Associate Degree Applicable
Transfers to CSU only

NURS 151 5 Units
Introduction to Medical Surgical Nursing
Lecture: 45 contact hours
Lab: 135 contact hours
Prerequisite: NURS 140 or NURS 150
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This course is a first-year course that focuses on the nurse's role in the collection of assessment data, identifying the relevance of the data collected, the analysis of patient priorities, the implementation of nursing interventions, and the evaluation of patient care for diverse adults including adults ages 65 and over, nursing care and administration of medication for patients with the basic healthcare needs in pulmonary, musculoskeletal, cardiovascular, neurological, immunological, gastrointestinal, genitourinary, and endocrine body systems, as well as patients undergoing general surgery and/or requiring wound care. Application of KSAs will occur in the hospital, on-campus skills laboratory, and simulation settings.
Associate Degree Applicable
Transfers to CSU only

NURS 160 4 Units
Nursing Care of the Childbearing Family and Newborn
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: NURS 140 or NURS 151
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This course is a first-year nursing course that focuses on the nurse's role in the collection of assessment data, identifying the relevance of data collected, the analysis of patient priorities, the implementation of nursing interventions, and evaluation of patient care for childbearing families. Maternity nursing also focuses on the biophysical aspects of human reproduction, assessment and management of antepartum, postpartum, intrapartum, and newborn care and complications. Application of KSAs will occur in the hospital, on-campus skills laboratory, and simulation settings.
Associate Degree Applicable
Transfers to CSU only

NURS 161 5 Units
Beginning Medical Surgical Nursing
Lecture: 45 contact hours
Lab: 135 contact hours
Prerequisite: NURS 140 or NURS 151
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This is first-year course that focuses on the nurse's role in the collection of assessment data, identifying the relevance of the data collected, the analysis of patient priorities, the implementation of nursing interventions, and evaluation of patient care for diverse adult patients including adults ages 65 and over with selected healthcare needs in respiratory, cardiovascular, neurological, immunological, gastrointestinal, genitourinary, and endocrine body systems. Application of KSAs will occur in the hospital, on-campus skills laboratory, and simulation settings.
Associate Degree Applicable
Transfers to CSU only

NURS 250 4 Units
Nursing Care of Children and their Families
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: NURS 140 or NURS 160 and NURS 161
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This is a second-year course that focuses on the nurse's role in the collection of assessment data, identifying the relevance of the data collected, the analysis of patient priorities, the implementation of nursing interventions, and evaluation of patient care for diverse pediatric populations and their families. Pediatric nursing also focuses on a family-centered approach to the nursing care of infants and children. Application of KSAs will occur in the hospital, on-campus skills laboratory, and simulation settings.
Associate Degree Applicable
Transfers to CSU only

NURS 251 5 Units
Intermediate Medical Surgical Nursing
Lecture: 45 contact hours
Lab: 135 contact hours
Prerequisite: NURS 140 or NURS 160 and NURS 161
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This is a second-year course that focuses on the nurse's role in the collection of assessment data, identifying the relevance of the data collected, the analysis of patient priorities, the implementation of nursing interventions, and evaluation of patient care for diverse adult patients including adults aged 65 and over with selected healthcare needs in neurological, gastrointestinal, respiratory, genitourinary, immunological, cardiovascular, and endocrine diseases. Application of KSAs will occur in the hospital, on-campus skills laboratory, and simulation settings.
Associate Degree Applicable
Transfers to CSU only

NURS 260 4 Units
Psychiatric-Mental Health Nursing
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: NURS 250 and NURS 251
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This course focuses on the nurse's role in the collection of assessment data, identifying the relevance of the data collected, the analysis of patient/client priorities, the implementation of nursing interventions, and evaluation of care for diverse patient population including children, adolescents, adults, and older adults with mental health disorders. Psychiatric nursing also focuses on neurobiological theories, risks and interventions for suicide, substance abuse, and other mental health disorders. Application of KSAs will occur in the hospital, on-campus skills laboratory, and simulation settings.
Associate Degree Applicable
Transfers to CSU only

NURS 261 5 Units
Complex Care and Leadership
Lecture: 45 contact hours
Lab: 135 contact hours
Prerequisite: NURS 250 and NURS 251
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Nursing Program.
This is a second-year nursing course that builds upon previously learned knowledge, skills and attitudes while focusing on the application of the nursing process, discrimination of data, and identification of care priorities in order to manage complex needs of adults including adults ages 65 and over, critically ill or injured adults with single or multisystem failure. Complex Care and Leadership provides learning opportunities for leadership, community outreach, and disaster nursing. Correlated clinical experiences provide the senior student opportunities to assume nursing responsibilities in complex care areas and to function as part of an inter-professional team. Application of knowledge, skills, and attitudes (K-S-A) will occur in the hospital, on-campus skills laboratory, and simulation settings. The course also reviews graduate responsibilities for the National Council Licensure Examination (NCLEX) application and professional employment/licensure responsibilities.
Associate Degree Applicable
Transfers to CSU only

NURS 601 Noncredit
Nursing Skills Lab
Lab: 54 contact hours
Limitation on Enrollment: Enrollment in this course is limited to students who are currently enrolled in the SBVC Nursing Program.
Students in this noncredit course receive support in developing and strengthening essential nursing skills across multiple content areas of the nursing program. Activities may include dosage calculation practice, demonstration and practice of nursing skills and procedures required for program completion. Students will build competency in skills such as physical assessment, isolation procedures, oxygenation, wound care, urinary catheterization, medication administration, and other medical and surgical specialty skills.

Nursing Associate of Science Degree

This degree program is designed to prepare students to become Registered Nurses who provide nursing care to assist patients in attaining their maximum level of wellness. Graduates are eligible to apply for their Associate Degree in Nursing (ADN) and take the National Counsel Licensure Examination – RN (NCLEX-RN). The program is accredited by the California State Board of Registered Nursing and the Accreditation Commission for Education in Nursing (ACEN).

Code	Title	Units
Required Courses:		
First Semester		
NURS 140	Vocational to Professional Nurse	2
or NURS 150	Foundations of Nursing	
NURS 151	Introduction to Medical Surgical Nursing	5
Second Semester		
NURS 160	Nursing Care of the Childbearing Family and Newborn	4
NURS 161	Beginning Medical Surgical Nursing	5
Third Semester		
NURS 250	Nursing Care of Children and their Families	4
NURS 251	Intermediate Medical Surgical Nursing	5
Fourth Semester		
NURS 260	Psychiatric-Mental Health Nursing	4
NURS 261	Complex Care and Leadership	5
Total Units		34-36

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Perform safe quality patient centered care.
b. Collaborate effectively with members of the inter-professional team, the patient, and the patient support persons.
c. Model evidence-based practice to optimize patient outcomes.
d. Implement clinical judgement in the plan of care.
e. Demonstrate ethical leadership for the health care needs of our diverse communities.
f. Integrate informatics and trends in technology to enhance team communication and the delivery of safe optimal care.

Occupational Safety and Health Act (OSHA)

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chair: Tarif (Terry) Halabi (thalabi@sbccd.edu), M.S.E.E.

Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

OSHA 030 2 Units
Federal OSHA Outreach: Construction Industry Safety
Lecture: 18 contact hours
Lab: 54 contact hours
Departmental Recommendation: Federal OSHA requires each student be 18 years of age in order to qualify for an OSHA card.
This course provides training required by the Occupational Safety and Health Administration (OSHA) for the Federal Outreach Construction Industry, minimum 30-Hour training card. Lessons emphasize hazard identification, avoidance, control and prevention of illness, injury, or death.
Associate Degree Applicable

OSHA 035 2 Units
Federal OSHA Outreach: General Industry Safety
Lecture: 18 contact hours
Lab: 54 contact hours
Departmental Recommendation: Federal OSHA requires each student be 18 years of age in order to qualify for an OSHA card.
This course provides outreach training and gives general industry workers information about rights, employer responsibilities, how to identify, abate, avoid and prevent job-related hazards on a job site. Lessons will emphasize hazard identification, avoidance, control and prevention of illness, injury, or death. Successful completion may qualify students for the Federal OSHA minimum 30-hour General Industry card.
Associate Degree Applicable

Oceanography

Dive into the wonders of the ocean with Oceanography at San Bernardino Valley College. These engaging and informative classes explore the physical, chemical, geological, and biological aspects of Earth's oceans, offering students a comprehensive introduction to an aspect of marine science.

Our oceanography courses are designed for both majors and non-majors making them perfect for anyone curious about the marine environment – from waves and tides to deep-sea trenches and coral reefs. Through interactive and engaging lectures, hands-on lab activities, and field trip opportunities, students learn how ocean systems influence global climate, weather, and life on Earth.

Why take Oceanography at SBVC?

- Fulfills general education and transfer requirements for CSU and UC
- Perfect for students pursuing careers or further study in marine science, environmental science, or education.
- Taught by passionate instructors with expertise in Earth and Marine Sciences
- Engages students with real-world environmental issues like ocean pollution, climate change, and conservation.

Whether you are preparing for a science degree or simply want to learn more about the planet's largest and most mysterious ecosystem, Oceanography at SBVC is a fascinating starting point.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chairs: Todd Heibel (theibel@sbccd.edu), Ph.D. and Matthew Robles (mrobles@sbccd.edu), M.S.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

OCEAN 101 3 Units
Elements of Oceanography
Lecture: 54 contact hours
Departmental Recommendation: MATH 102 or higher and ENGL 1000 or ENGL C1000H
This course explores the geological processes that created the ocean basins, chemistry of sea water, physical motions of the oceans, and the interrelationships of biological communities with their physical environments. Oceanographers and related scientists from traditionally underrepresented groups are featured throughout this course. Environmental issues and environmental justice movements associated with the world's oceans fundamentally inform this course. Geospatial analysis of world oceans, including Geographic Information Systems (GIS) and remote sensing, is an integral component of this course. It is recommended that transfer students also enroll in the companion OCEAN 111, Elements of Oceanography Laboratory.
Associate Degree Applicable
Transfers to both UC/CSU

OCEAN 111 1 Unit
Elements of Oceanography Laboratory
Lab: 54 contact hours
Prerequisite/Corequisite: OCEAN 101
This hands-on course introduces students to techniques of oceanography, including bathymetry, charts, and methods of studying the physical ocean environment. Oceanographers and related scientists from traditionally underrepresented groups are featured throughout this course. Environmental issue and environmental justice movements associated with the world's oceans fundamentally inform this course. This course is recommended for students concurrently enrolled in OCEAN 101 or who have successfully completed the course within the last three years.
Associate Degree Applicable
Transfers to both UC/CSU

Pharmacy Technology

The Pharmacy Technology Program is designed to prepare students for entry-level positions as pharmacy technicians. Working under the supervision of pharmacists, pharmacy technicians assist in preparing and dispensing medications to patients. This program equips students with the knowledge and skills required for both outpatient (retail) & inpatient (hospital) pharmacy settings, essential pharmacy calculations and pharmacology through classroom instruction and simulated labs.

The program also includes a Pharmacy Clinical Experience course, providing students with hands-on experience in a pharmacy environment. Before beginning the externship, students are required to complete a background check and drug test, with clear results necessary to proceed.

Upon completion of the program, students will be eligible to take the national Pharmacy Technician Certification Exam (PTCE) and apply for a Pharmacy Technician License. It's important to note that the California Board of Pharmacy may deny licensure for individuals with convictions substantially related to pharmacy practice.

Sequence of courses for the Pharmacy Technology Program

Code	Title	Units
1st Semester		
PHT 060	Pharmacy System I	3
PHT 062	Pharmacology I	3
PHT 064	Pharmacy Calculations	3
2nd Semester		
PHT 070	Pharmacy Systems II	3
PHT 071	Pharmacology II	3
PHT 072	Pharmacy Clinical Experience	3
PHT 074	Pharmacy Seminar	2

Contact Information:

Division: Health Sciences (HLS - 101)

Division Phone Number: (909) 384-4450

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chair: Doris Ontiveros (dchota@sbccd.edu), B.S., CPTEd, CPhT.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Pharmacy Technology Associate of Science Degree
- Pharmacy Technology Certificate of Achievement

PHT 060 3 Units
Pharmacy System I
Lecture: 36 contact hours
Lab: 54 contact hours
This class introduces the student to the field of pharmacy, its history, environment, and processes. It emphasizes out-patient/community service pharmacy settings in issues of prescription processing, pharmacy business management, federal laws/regulation, protocol procedures, and pharmacy references/associations for assistance.
Associate Degree Applicable

PHT 062 3 Units
Pharmacology I
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: BIOL 205 or CHEM 101
This course introduces the basic pharmacology principles of pharmacokinetics and pharmacodynamics as it applies the therapeutic uses of medications being administered to the human body systems. The student will identify the medication's classifications, emphasizing basic indications, drug dosages, dosage forms, routes of administration, side effects, special directions of use, and drug interactions with other medications, foods, and/or nutrient supplements.
Associate Degree Applicable

PHT 064 3 Units
Pharmacy Calculations
Lecture: 54 contact hours
In this course students apply mathematical skills to the calculation of medication dosages, intravenous solutions, and pharmacy operations.
Associate Degree Applicable

PHT 070 3 Units
Pharmacy Systems II
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: PHT 060 and PHT 062 and PHT 064
This course covers the application of advanced preparation, distribution and methods for dispensing medications within a institutional pharmacy setting. It emphasizes advanced concepts of medication order processing, non-sterile compounding, sterile compounding, pharmacy business management, data management, pharmacy safety, and pharmacy error prevention under the supervision of a pharmacist.
Associate Degree Applicable

PHT 071 3 Units
Pharmacology II
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: PHT 062
This course continues to apply the therapeutic uses of administered medications into the human anatomy and physiology by a drug's pharmacokinetics and pharmacodynamics. Emphasis is placed on but not limited to a medication's brand/generic name, mechanisms of action, dosage forms, routes of administration, directions of use, standard dosage schedules, indications, basic side effects, adverse effects, contraindications, precautions, drug interactions, and any special black box warnings. Added topics to the course includes medication adjustments for special populations and use of common antidotes for medications.
Associate Degree Applicable

PHT 072 3 Units
Pharmacy Clinical Experience
Lab: 162 contact hours
Prerequisite: PHT 060 and PHT 062 and PHT 064
Corequisite: PHT 074
In this course, students study the application of prescription processing, inventory management and dispensing of medications in a pharmacy under the direct supervision of a pharmacist. It emphasizes use of a pharmacy database, customer service, communication and professional ethics.
Associate Degree Applicable

PHT 074 2 Units
Pharmacy Seminar
Lecture: 36 contact hours
Prerequisite: PHT 060 and PHT 062 and PHT 064
Corequisite: PHT 072
This course reviews the duties of a pharmacy technician in the out-patient/community and the in-patient/institutional setting in the areas of pharmacy management/administration, pharmacy federal laws/regulation, and pharmacology.
Associate Degree Applicable

PHT 601 Noncredit
Pharmacy Technician Licensure Exam Preparation
Lecture: 18 contact hours
This noncredit course prepares students that have completed or are nearing completion of the Pharmacy Technology program for the state administered licensing examination for pharmacy technicians. This course is also recommended for students who desire refresher training. Topics include, but are not limited to: the duties of a pharmacy technician in the out-patient/community and the in-patient/institutional setting in the areas of pharmacy management/administration, pharmacy federal laws/regulation, and pharmacology. Also included are some basic test-taking techniques to increase proficiency on the state exam.

Pharmacy Technology Associate of Science Degree

The Pharmacy Technology Associate of Science degree offers a comprehensive curriculum blending theoretical learning with hands-on experience. Students gain a deep understanding of pharmaceutical principles, medication dispensing techniques, and regulatory compliance. Emphasis is placed on critical thinking, communication, and technical proficiency in pharmacy software systems. Graduates are prepared for entry-level positions as pharmacy technicians, contributing to optimal patient care and adherence to industry standards. To earn an Associate Degree with a specialization in Pharmacy Technology, students must complete the required courses plus the general education requirements (minimum total = 60 units).

Code	Title	Units
Required Courses:		
PHT 060	Pharmacy System I	3
PHT 062	Pharmacology I	3
PHT 064	Pharmacy Calculations	3
PHT 070	Pharmacy Systems II	3
PHT 071	Pharmacology II	3
PHT 072	Pharmacy Clinical Experience	3
PHT 074	Pharmacy Seminar	2
One course from the following:		
BIOL 205	Cell and Molecular Biology	4
or CHEM 101	Introductory Chemistry	
Total Units		**24**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze and process prescription and medication orders.
b. Calculate accurately pharmaceutical conversions and medication dosages within scope of Pharmacy Technician duties.
c. Reference and apply pharmacy law to application of Pharmacy Technician duties.
d. Identify Brand and Generic names of the Top 200 medications commonly used in pharmacy settings.
e. Model ethical leadership and cultural competency towards the community in a pharmacy setting.
f. Apply and prepare for examination and evaluation of results from the Pharmacy Technician Certification Board.
g. Employ career readiness and soft skills applicable to the Pharmacy Technician profession.

Pharmacy Technology Certificate of Achievement

The Pharmacy Technology certificate is designed to prepare the student for entry-level employment as a pharmacy technician, assisting pharmacists to provide medication and other healthcare products to patients; receiving and verifying written prescriptions, requests for prescription refills from patients, or electronic prescriptions sent from doctors' offices; retrieving, counting, pouring, weighing, measuring, and sometimes mixing medications; and preparing containers and labels for medications. Technicians may also establish and maintain patient profiles, prepare insurance claim forms, and stock and take inventory of prescription and over-the-counter medications. Students working for certificates must have a basic knowledge of elementary algebra, reading and writing in order to learn and work in the occupations they select.

Code	Title	Units
Required Courses:		
PHT 060	Pharmacy System I	3
PHT 062	Pharmacology I	3
PHT 064	Pharmacy Calculations	3
PHT 070	Pharmacy Systems II	3
PHT 071	Pharmacology II	3
PHT 072	Pharmacy Clinical Experience	3
PHT 074	Pharmacy Seminar	2
Total Units		**20**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze and process prescription and medication orders.
b. Calculate accurately pharmaceutical conversions and medication dosages within scope of Pharmacy Technician duties.
c. Reference and apply pharmacy law to application of Pharmacy Technician duties.
d. Identify Brand and Generic names of the Top 200 medications commonly used in pharmacy settings.
e. Model ethical leadership and cultural competency towards the community in a pharmacy setting.
f. Apply and prepare for examination and evaluation of results from the Pharmacy Technician Certification Board.
g. Employ career readiness and soft skills applicable to the Pharmacy Technician profession.

Philosophy/Religious Studies

Whatever the vocational goal, students benefit from completing courses in philosophy and religious studies. Nearly everyone is concerned with the kinds of questions and experiences studied in philosophy and religion. Both fields of study are concerned with the nature of reality, truth and value, the human response to death and suffering, and those perennial human questions: Who am I? Why am I here? Where am I going?

Philosophy and religious studies courses require critical analysis, clarity, and understanding. These skills are achieved through careful and close reading of texts, images, and symbols as well as through descriptive and analytic writing. These are invaluable skills transferable to most vocations. Philosophy and religion courses require the study of diverse and often competing belief systems. This challenging and exciting endeavor can help us make sense of the events taking place in the world around us.

Students planning to transfer to a baccalaureate institution and major in philosophy or religious studies should consult a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Adam Pave (apave@sbccd.edu), Ph.D.

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- Philosophy Associate in Arts for Transfer Degree

Philosophy Courses

PHIL 101 3 Units
Introduction to Philosophy
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a general introduction to the major problems and questions as pondered by philosophy's great thinkers. Attention is directed to both classic and modern philosophy and will include various voices from the history of philosophy as a basis for discussion of issues such as epistemology, metaphysics, ethics, and aesthetics.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHIL 100

PHIL 101H 3 Units
Introduction to Philosophy - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a general introduction to the major problems and questions as pondered by philosophy's great thinkers. Attention is directed to both classic and modern philosophy and will include various voices from the history of philosophy as a basis for discussion of issues such as epistemology, metaphysics, ethics, and aesthetics. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHIL 100

PHIL 102 3 Units
Critical Thinking and Writing
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is an introduction to critical thinking focusing on argument and evidence and the ability to write coherent argumentative essays. Topics include recognition of the structures of reasoning in natural language, the evaluation of such reasoning (including informal fallacies), the uses and abuses of language, and an investigation of the rhetorical devices common in our culture. Students practice critical thinking by writing substantive arguments and essays.
Associate Degree Applicable
Transfers to both UC/CSU

PHIL 103 3 Units
Introduction to Logic: Argument and Evidence
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Introduction to the techniques of critical thought, including language analysis, inductive and deductive logic, symbolic logic, and the development of the scientific method.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHIL 110

PHIL 105 3 Units
Introduction to Ethics
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to ethics focusing on the analysis of the basic ideas and principles underlying moral conduct. Theories such as utilitarianism, deontology, virtue ethics, and many others will form the basis of the course. Specific ethical problems arising in disciplines such as business, health care, administration of justice, and politics, as well as specific ethical problems confronting individuals, will also be addressed in this course.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHIL 120

PHIL 109 3 Units
Philosophy of Religion
Lecture: 54 contact hours
Departmental Recommendation: PHIL 101 or PHIL 101H and ENGL C1000 or ENGL C1000H
This course critically examines religion and religious belief from a rational and philosophical perspective. Central topics include the attributes and nature of God, arguments for theism and atheism, faith and reason, the problem of evil, religious pluralism, and the afterlife.
Associate Degree Applicable
Transfers to both UC/CSU

PHIL 180 3 Units
Death and Dying
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of dying, death, and bereavement. Medical, ethical, legal, philosophical, and religious considerations will be explored. (This is also offered as RELIG 180)
Associate Degree Applicable
Transfers to both UC/CSU

Religious Studies Courses

RELIG 100 3 Units
Introduction to Religious Studies
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introductory study of religion, with emphasis on religious experience, the origins and function of religion, and the various modes of religious expression. Necessarily broad in scope, this course will draw on Eastern, Western, ancient, and modern religious phenomena to help students understand various religious components, such as myth, ritual, scripture, art, doctrine, and mysticism.
Associate Degree Applicable
Transfers to both UC/CSU

RELIG 100H 3 Units
Introduction to Religious Studies - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introductory study of religion, with emphasis on religious experience, the origins and function of religion, and the various modes of religious expression. Necessarily broad in scope, this course will draw on Eastern, Western, ancient, and modern religious phenomena to help students understand various religious components, such as myth, ritual, scripture, art, doctrine, and mysticism. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.
Associate Degree Applicable
Transfers to both UC/CSU

RELIG 101 3 Units
Introduction to World Religions
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to the major religious traditions of the world with an emphasis on the beliefs, practices, and histories of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, and Taoism.
Associate Degree Applicable
Transfers to both UC/CSU

RELIG 115 3 Units
Magic, Witchcraft, Cults, and New Religious Movements
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Through an examination of magic and witchcraft, the course introduces the study of the beliefs and practices, past and present, associated with new religious movements, sometimes referred to as cults. Topics examined include ritual, symbolism, altered states of consciousness and healing, as well as syncretism, change and the social roles of these beliefs and practices. The course also examines examples of various historical religious influences on new religious movements.
Associate Degree Applicable
Transfers to both UC/CSU

RELIG 135 3 Units
Religion in America
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to the diverse expression of religion in the United States. Although limited by the history and geography of one country, the course necessarily draws from religions around the globe to help students understand how religion has grown and developed in the U.S. So, this course deals with a wide variety of expressions of religion, including the Puritans, slave religion, the religious reform movements, the Catholic, Protestant, Jewish, and Muslim communities, the African American religious experience, Eastern religions in America, and contemporary syncretistic religious movements.
Associate Degree Applicable
Transfers to both UC/CSU

RELIG 150 3 Units
Introduction to Mythology
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to myth and its function in culture through an examination of creation stories, end-of-the world stories, hero stories, and trickster stories. Although focusing on the narrative expression of religion, this course necessarily draws from many traditions, including Native American, Greek, Roman, European, Islamic, Chinese, Hindu, and Japanese traditions of myth. In addition, this class will examine modern American myths.
Associate Degree Applicable
Transfers to both UC/CSU

RELIG 175 3 Units
The Literature and Religion of the Bible
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course covers The English Bible as literature and as religion including an examination of the types of literature found in the Bible, the historical and religious context in which the literature was developed and an extensive reading of the two testaments. This course is also offered as ENGL 175.
Associate Degree Applicable
Transfers to both UC/CSU

RELIG 176 3 Units
Jesus and His Interpreters
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of images and interpretations of Jesus with three principle divisions: Jesus and the gospels or biblical tradition; Jesus and the historians, including the quest of historians and theologians for the Jesus of history; and Jesus and the arts (Jesus in art, music, film, and the literary arts, such as novels, poems, and plays.)
Associate Degree Applicable
Transfers to both UC/CSU

RELIG 180 3 Units
Death and Dying
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a study of dying, death, and bereavement. Medical, ethical, legal, philosophical, and religious considerations will be explored. (This course is also offered as PHIL 180)
Associate Degree Applicable
Transfers to both UC/CSU

Philosophy Associate in Arts for Transfer Degree

Strategically located within academic study, the discipline of philosophy offers students the opportunity to study diverse and competing worldviews. Through critical reading, thinking and writing, students will be challenged to acknowledge and respect diversity, promote equity, and seek opportunities of inclusion. Philosophy is concerned with perennial questions and is focused on reading carefully, thinking critically, understanding deeply, and imagining richly.

We will explore the nature of reality, truth and value, the human response to death and suffering, and ask big questions. For example: Who am I? Why am I here? What is truth? How do I know anything? What is good and what is evil? Philosophy courses require critical analysis, clarity, and understanding. These skills are achieved through careful and close reading of texts, images, and symbols, as well as through descriptive and analytic writing. You can expect the reward of an active, teachable, and inquisitive mind as well as a rich imagination.

The Associate in Arts for Transfer (AA-T) in Philosophy offers a challenging opportunity to explore how to learn and you will learn about your potential contributions within our world. This challenging and exciting endeavor can help us make sense of the events taking place in the world around us. Most of all, by studying philosophy, you will learn about yourself. Studying philosophy provides students with invaluable skills transferable to nearly all vocations. The law states that students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the specified program requirements.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Philosophy AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Philosophy should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
PHIL 101	Introduction to Philosophy	3
or PHIL 101H	Introduction to Philosophy - Honors	
or PHIL 105	Introduction to Ethics	
PHIL 103	Introduction to Logic: Argument and Evidence	3
List A - One course from the following (or any course not used in required courses):		
PHIL 102	Critical Thinking and Writing	3
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001	Critical Thinking and Writing - Honors	
COMM 125	Critical Thinking Through Argumentation and Debate	3
READ 102	Critical Reading as Critical Thinking	3
List B - Two courses from the following (or any List A course not already used):		
PHIL 109	Philosophy of Religion	3
RELIG 101	Introduction to World Religions	3
ENGL 175	The Literature and Religion of the Bible	3
or RELIG 175	The Literature and Religion of the Bible	
PHIL 180	Death and Dying	3
or RELIG 180	Death and Dying	
List C - One course from the following (or any List A or List B course not already used):		

RELIG 100	Introduction to Religious Studies	3
or RELIG 100H	Introduction to Religious Studies - Honors	
RELIG 115	Magic, Witchcraft, Cults, and New Religious Movements	3
RELIG 135	Religion in America	3
RELIG 150	Introduction to Mythology	3
RELIG 176	Jesus and His Interpreters	3

Code	Title	Units
Major Total Units		**18-19**
Total Double-Counted Units		**12**
General Education (Cal-GETC) Units		**34**
Elective Units		**19-20**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify and analyze the structure of arguments, including recognizing conclusions, premises, and inference indicators by writing a response to a particular writing prompt.
b. Analyze and evaluate issues dealing with the tradition of philosophy, including but not limited to ethical, epistemological, metaphysical, and political philosophical issues, and/or the impact of Eastern traditions by using both descriptive and analytical writing.
c. Apply the ideas and concepts in the tradition of philosophy to contemporary experience by writing a response to a particular writing prompt.

Physics

Physics is a fundamental science. It is concerned with finding and using the rules that govern everything—from the smallest pieces of the atom to the various collections of atoms—molecules, balls, planets, stars, and more—that compose the myriad contents of the universe. Students majoring in physics will be rewarded on a personal level with a deep understanding of the world around us. On a professional level, physicists find a variety of employment opportunities, which are relatively free of ethnic and gender bias, pay well, reward creativity, and are just plain fun.

Students planning to transfer to a four-year institution and major in physics should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Science and Mathematics (PS - 148)

Division Phone Number: (909) 384-8645

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Faculty Chair: Anna Tolstova (atolstov@sbccd.edu), M.S.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Physics 2.0 Associate in Science for Transfer Degree
- Physics Associate of Science Degree

PHYSIC 101 4 Units
Introductory Physics
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.
This introductory, algebra-based, physics course is an exploration of the physical principles ranging from classical mechanics to modern physics, which shape our lives. Students will be better equipped to make connections between the concepts of physics and their everyday world. This class includes a hands-on laboratory to bridge the connection between theory and everyday life. This course also explores the connections between physics and other fields of science, technology, and society.
Associate Degree Applicable
Transfers to both UC/CSU

PHYSIC 151 4 Units
General Physics for the Life Sciences I
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: MATH 103 or eligibility for MATH 151 or higher based on the SBVC Guided-Self Placement process and eligibility for college level English based on the SBVC Guided-Self Placement process.
Departmental Recommendation: PHYSIC 101
This is the first course in a two-semester physics sequence designed primarily for students in biology, pharmacology, pre-medicine, physical therapy, and allied health programs. Topics include mechanics, waves, fluids, and thermodynamics. The needed concepts of calculus will be developed and used where appropriate.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHYS 105/100S

PHYSIC 152 4 Units
General Physics for the Life Sciences II
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: PHYSIC 151
This is the second course in a two-semester physics sequence designed primarily for students in biology, pharmacology, pre-medicine, physical therapy, and allied health programs. Topics include electricity, magnetism, optics, and modern physics. The needed concepts of calculus will be developed and used where appropriate.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHYS 110/100S

PHYSIC 202 4 Units
Physics I
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H and MATH C2210 and PHYSIC 101
Corequisite: MATH C2210 - The department highly recommends completing MATH C2210 prior to enrollment in PHYSIC 202.
This is a calculus based physics course covering mechanics and oscillations. This course is designed to satisfy the lower division physics requirement for majors in physics, engineering, astronomy, chemistry, geology, computer science and mathematics.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHYS 205/200S

PHYSIC 203 4 Units
Physics II
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite/Corequisite: MATH C2220
Prerequisite: PHYSIC 202
This is a calculus based physics course covering electricity, magnetism, and waves. This course is designed to satisfy the lower division physics requirement for majors in physics, engineering, astronomy, chemistry, geology, computer science and mathematics.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHYS 210/200S

PHYSIC 204 4 Units
Physics III
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite/Corequisite: MATH C2220
Prerequisite: PHYSIC 202
Departmental Recommendation: MATH 252
This is a calculus based physics course covering thermodynamics, fluids, optics, and modern physics. This course is designed to satisfy the lower division physics requirement for majors in physics, engineering, astronomy, chemistry, geology, computer science and mathematics.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PHYS 215/200S

PHYSIC 210 4 Units
Modern Physics
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite: PHYSIC 203 and PHYSIC 204 and PHYSIC 151 and PHYSIC 152 and MATH C2220
This is a calculus-based physics course in modern physics. Topics include relativity, quantum mechanics, atoms, molecules, condensed matter, nuclear, and particle physics.
Associate Degree Applicable
Transfers to both UC/CSU

PHYSIC 222 1-3 Units
Independent Study in Physics
DIR: 54 contact hours
Prerequisite: PHYSIC 101
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Students with previous course work in Physics may do assigned projects involving research and analysis of selected topics. The independent study is for students who are interested in furthering their knowledge of Physics. Prior to registration, a written contract must be prepared jointly by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

Physics Associate of Science Degree

To graduate with a specialization in Physics, students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
PHYSIC 202	Physics I	4
PHYSIC 203	Physics II	4
PHYSIC 204	Physics III	4
PHYSIC 210	Modern Physics	4
MATH 252	Multivariable Calculus	5
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
Total Units		**29**

Code	Title	Units
Recommended Courses:		
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate general knowledge of physical concepts and principles appropriate for lower division courses in physics.
b. Apply critical thinking skills and physical methods in solving problems appropriate for lower division physics courses.
c. Demonstrate standard laboratory skills and techniques appropriate for lower division courses in physics, as well as communicate concepts and results through well-organized lab reports.

Physics 2.0 Associate in Science for Transfer Degree

The Associate of Science for Transfer (AS-T) in Physics provides students with a deep understanding of the world around them. This degree provides students with transfer preparation and pre-professional training. The AS-T in Physics explores with finding and using the rules that govern everything —from the smallest pieces of the atom to the various collections of atoms —molecules, balls, planets, stars, and more---that compose the myriad contents of the universe. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Associate in Science for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Physics AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Physics should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
CS 190	Programming in C++	4
MATH C2210	Calculus I: Early Transcendentals	4
MATH C2220	Calculus II: Early Transcendentals	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4
PHYSIC 202	Physics I	4
PHYSIC 203	Physics II	4
PHYSIC 204	Physics III	4

Code	Title	Units
Major Total Units		**37**
Total Double-Counted Units		**7**
General Education (Cal-GETC) Units		**34**
Elective Units		**2**
Total Units (Maximum)		**66**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate general knowledge of physical concepts and principles appropriate for lower division courses in physics.
b. Apply critical thinking skills and physical methods in solving problems appropriate for lower division physics courses.
c. Demonstrate standard laboratory skills and techniques appropriate for lower division courses in physics, as well as communicate concepts and results through well-organized lab reports.

Police Science

One of modern government's most challenging tasks is the enforcement of laws and the protection of lives and property while respecting constitutional individual rights. Carefully selected, highly trained and motivated peace officers are central in this task. The Basic Law Enforcement Academy is presented in both an intensive and extended format for students interested in becoming peace officers.

The state screening requirements for admission into the Basic Law Enforcement Academy are: A person must have a physical examination, Department of Justice/Federal Bureau of Investigation fingerprint check and clearance, a valid California driver's license with no restrictions (one exception is corrective lenses), and never have been convicted of a felony. Police Science classes are certified by the California Commission on Peace Officer Standards and Training.

Contact Information:

Division: Social Sciences, Human Development, Kinesiology and Health (NH - 139)

Department Phone Number: (909) 384-4431

Program Director: Paul Dennis (pdennis@sbccd.edu), M.A.

Counselor Liaison:

- Debbie Orozco (dorozco@sbccd.edu), M.A.

- Basic Peace Officer Certificate of Achievement

POLICE 001 1.5 Units
Police Academy Preparation
Lecture: 18 contact hours
Lab: 27 contact hours
This course is designed to provide the student with the necessary information and guidance to meet the requirements for entry into and completion of the intensive or extended police academy. The course comprehensively covers personal leadership development skills as well as mental and physical preparation strategies fundamental to a successful police academy experience.

POLICE 002 26 Units
Basic Law Enforcement Academy
Lecture: 325 contact hours
Lab: 444 contact hours
Corequisite: POLICE 100 and POLICE 101 and POLICE 102 and POLICE 103
Departmental Recommendation: POLICE 001 and ENGL C1000 or ENGL C1000H
Limitation on Enrollment: Enrollment is limited to those students who meet state screening requirements as outlined in the Government Code California Penal Code and the Commission on Peace Officer Standards and Training Administrative Manual.
Basic training for new law enforcement officers. This course covers but is not limited to: leadership, professionalism and ethics, criminal justice system, juvenile law, patrol procedures, domestic violence, traffic enforcement, lifetime fitness, defensive tactics, first aid and CPR, and firearms.
Associate Degree Applicable

POLICE 003 11 Units
Basic Police Academy Requalification
Lecture: 180 contact hours
Lab: 54 contact hours
Prerequisite: Completion of a POST-Approved Basic Academy Course
This course is in compliance with the Commission on Peace Officers Standards and Training (POST) requirements for requalification training. This course re-certifies students who graduated from a POST-approved basic police academy more than three years ago and have not obtained employment as a sworn police officer. This course also re-certifies students who have graduated from a POST-approved academy and have been previously employed as a peace officer, and are returning to employment as a police officer after a break of more than three years.

POLICE 100 3 Units
Criminal Law
Lecture: 54 contact hours
Corequisite: POLICE 002 and POLICE 101 and POLICE 102 and POLICE 103
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Limitation on Enrollment: This course is limited to students who have successfully met state screening requirements: possession of a California driver's license without restrictions other than required eyeglasses or contact lenses and possession of a current letter of clearance issued by the California Department of Justice that certifies the right to be in possession of a firearm.
This course analyses property crimes, crimes against persons, crimes against children, child abuse reporting, sex crimes, crimes against the judicial system, weapons violations, relevant laws and court decisions and crimes against the public peace. This course will focus on the relationship between criminal law and the criminal justice system. Classification of crimes and their application to the criminal justice system will also be covered in the course.
Associate Degree Applicable
Transfers to CSU only

POLICE 101 3 Units
Procedure and Evidence
Lecture: 54 contact hours
Corequisite: POLICE 002 and POLICE 100 and POLICE 102 and POLICE 103
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Limitation on Enrollment: Enrollment is limited to those students who meet the screening requirements as outlined in the Government Code California Penal Code and the Commission on Peace Officer Standards and Training Administrative Manual.
This course will address a peace officer's authority, liability and responsibility to make a lawful arrest, and current search and seizure laws. It includes the origin, development, philosophy, and constitutional basis of evidence; rules and procedures governing admissibility and judicial decisions interpreting individual rights.
Associate Degree Applicable
Transfers to CSU only

POLICE 102 3 Units
Community Policing
Lecture: 54 contact hours
Corequisite: POLICE 002 and POLICE 100 and POLICE 101 and POLICE 103
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Limitation on Enrollment: Enrollment is limited to those students who meet the screening requirements as outlined in the Government Code California Penal Code and the Commission on Peace Officer Standards and Training Administrative Manual.
This course addresses the origin, concepts and philosophy of community policing, and victim awareness and the development of positive relationships with the public. It includes cultural diversity and discrimination.
Associate Degree Applicable
Transfers to CSU only

POLICE 103 3 Units
Introduction to Criminal Investigation
Lecture: 54 contact hours
Corequisite: POLICE 002 and POLICE 100 and POLICE 101 and POLICE 102
Departmental Recommendation: ENGL C1000 or ENGL C1000H
Limitation on Enrollment: Enrollment is limited to those students who meet screening requirements as outlined in the Government Code California Penal Code and the Commission on Peace Officer Standards and Training Administrative Manual.
This course will address the examination of crime, evidence and police procedures in investigating crime. This includes documenting, recording and preserving evidence found at crime scenes.
Associate Degree Applicable
Transfers to CSU only

POLICE 601 Noncredit
Mature Driving
Lecture: 10 contact hours
This noncredit course is designed to update the driving skills of mature students. Curriculum for this course is provided by the State of California's Department of Motor Vehicles (DMV) to help older drivers become more defensive, more alert to their surroundings, and to familiarize them with new traffic laws. This course is intended for adults 55 and older, but is open to all students.

Basic Peace Officer Certificate of Achievement

The Basic Peace Officer certificate is designed for state certified entry-level positions in law enforcement agencies. Successful completion of this program and subsequent completion of the hiring agencies probationary period in a Peace Officers' Standards and Training (POST) certified agency qualifies the student for a California POST certificate. This program meets Penal Code §832 requirement of training as a peace officer in the state of California.

This program is offered in two formats: The Intensive Format (approximately 24 weeks) and the Extended Format (approximately 50 weeks). Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Code	Title	Units
Required Courses:		
POLICE 002	Basic Law Enforcement Academy	26
POLICE 100	Criminal Law	3
POLICE 101	Procedure and Evidence	3
POLICE 102	Community Policing	3
POLICE 103	Introduction to Criminal Investigation	3
Total Units		**38**

Code	Title	Units
Recommended Course:		
POLICE 001	Police Academy Preparation	1.5

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Apply to any law enforcement agency in the State of California as a peace officer.
b. Apply knowledge and skills required in completing a Field Training Program (FTO).
c. Apply understanding and skills essential in patrol procedures, firearms, administration of justice, defensive tactics, physical training, First Aid, cardiopulmonary resuscitation, traffic investigation, water safety, and driver training.
d. Recognize the importance of community policing, cultural diversity, victim awareness, and the development of positive community relationships.
e. Demonstrate the ability to identify and understand key crime prevention techniques; and to accurately read and recognize circumstances under which search and seizures can be conducted.
f. Analyze the relationships between law enforcement, corrections, and courts.
g. Identify and assess criminal law and the criminal justice system; and the origin, philosophy, concepts, and procedure of evidence; the judicial decisions and theories, degrees of evidence, individual rights, and case studies.
h. Identify and evaluate the requirements for an Administration of Justice degree.

Political Science

The Political Science Department offers courses satisfying general education requirements for an Associate Degree and transfer requirements for the majors offered at colleges and universities. Our department offers courses to meet the California State University graduation requirement of U.S. Constitution and California State and local government, and may be certified for Cal-GETC (POLS C1000 or POLS C1000H). We also offer courses that provide service-learning opportunities for students seeking development of leadership skills through involvement in on-and off-campus community service (POLS 138, POLS 138H, POLS 139, and POLS 139H). For students interested in global affairs, we offer Comparative Politics (POLS 140) and World Politics (POLS 141 or POLS 141H). We offer POLS 110 or POLS 110H for students interested in the development of Western political thought and philosophy.

A major in Political Science provides useful preparation for students interested in careers in politics, government (including the foreign service, the military and intelligence); teaching; public administration; public relations; law enforcement; the legal professions, and related fields. Students planning to transfer to a four-year institution and major in political science should consult with a counselor regarding the transfer process and lower-division requirements.

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Kimberly D. Jefferson (kjefferson@sbccd.edu), M.A.

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- Law, Public Policy, and Society Associate in Arts for Transfer Degree
- Political Science Associate in Arts for Transfer Degree

POLS C1000 3 Units
American Government and Politics
Lecture: 54 contact hours
This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: POLS 110

POLS C1000H 3 Units
American Government and Politics - Honors
Lecture: 54 contact hours
This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This is an honors course.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: POLS 110

POLS 103 3 Units
Native American Politics and Policy
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course provides an introduction to Native American Politics and policy. It will examine the relationship of Native Americans to the U.S. political system from the colonial era to contemporary period. It includes analysis of Native American political structures and functions, Federal Indian policy, the relationship between tribes and states, and important issues affecting the American Indian community. This course will focus on U.S. and California Indian history, emphasizing several key issues in modern Indigenous politics. It will also focus on the treaty making process that formed the foundation of contemporary tribal sovereignty to legal cases and precedents that impact Native American lands and people. The course will also explore how Native People have both petitioned for access into the American polity and actively resisted assimilation.
Associate Degree Applicable
Transfers to both UC/CSU

POLS 110 3 Units
Introduction to Political Theory
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a survey of Western political thought from classical times to the contemporary period. The course explores such controversial topics as the nature of justice, the morality of political deception and violence, the proper limits of governmental power, the virtues (and challenges) of political diversity, and the future of the bourgeois state in an era of globalization. (Formerly POLIT 110)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: POLS 120

POLS 110H 3 Units
Introduction to Political Theory - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a survey of Western political thought from classical times to the contemporary period. The course utilizes selected primary texts to explore such controversial topics as the nature of justice, the morality of political deception and violence, the proper limits of governmental power, the virtues (and challenges) of political diversity, and the future of the bourgeois state in an era of globalization. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work. (Formerly POLIT 110H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: POLS 120

POLS 138 3 Units
Service Learning: Student Leadership
Lecture: 18 contact hours
Lab: 108 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a service learning course designed for the development of leadership skills through participation in student government or other campus activities. The topics covered include: community college governance, collaborative problem solving, student issues, methods of effective advocacy, parliamentary procedures, relevant laws, and the challenges and opportunities of social diversity. (Formerly POLIT 138)
Associate Degree Applicable
Transfers to CSU only

POLS 138H 3 Units
Service Learning: Student Leadership - Honors
Lecture: 18 contact hours
Lab: 108 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a service learning course designed for the development of leadership skills through participation in student government or other campus activities. The topics covered include: community college governance, collaborative problem solving, student issues, methods of effective advocacy, parliamentary procedures, relevant laws, and the challenges and opportunities of social diversity. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work. (Formerly POLIT 138H)
Associate Degree Applicable
Transfers to CSU only

POLS 139 3 Units
Service Learning: Community Leadership
Lecture: 18 contact hours
Lab: 108 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a service learning course designed for the development of leadership skills through participation in community affairs on the federal, state, and local levels. The topics covered include street-level politics, coalition-building, direct and indirect lobbying, mass media communications, multicultural relations, legal requirements, and other aspects of civic involvement. (Formerly POLIT 139)
Associate Degree Applicable
Transfers to both UC/CSU

POLS 139H 3 Units
Service Learning: Community Leadership - Honors
Lecture: 18 contact hours
Lab: 108 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is a service learning course designed for the development of leadership skills through participation in community affairs on the federal, state, and local levels. The topics covered include street-level politics, coalition-building, direct and indirect lobbying, mass media communications, multicultural relations, legal requirements, and other aspects of civic involvement. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work. (Formerly POLIT 139H)
Associate Degree Applicable
Transfers to both UC/CSU

POLS 140 3 Units
Introduction to Comparative Politics
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This introductory course compares different political systems to evaluate their similarities and dissimilarities with respect to their corresponding political institutions and processes. Themes covered include presidential versus parliamentary democratic governance; authoritarian versus democratic regimes; patterns of state involvement in the political economy; society and citizen participation through interest groups, political parties and elections. (Formerly POLIT 140)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: POLS 130

POLS 141 3 Units
Introduction to World Politics
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This introductory course in world politics (international relations) surveys the principal actors, issues and processes involved in international relations. It includes paradigms and approaches in the study of world politics; foreign policy; issues of war and peace; international organizations; international law; globalization; international political economy, including global financial and trade institutions; human rights; and the global environment with respect to sustainable development. (Formerly POLIT 141)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: POLS 140

POLS 141H 3 Units
Introduction to World Politics - Honors
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This introductory course in world politics (international relations) surveys the principal actors, issues and processes involved in international relations. It includes paradigms and approaches in the study of world politics; foreign policy; issues of war and peace; international organizations; international law; globalization; international political economy, including global financial and trade institutions; human rights; and the global environment with respect to sustainable development. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work. (Formerly POLIT 141H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: POLS 140

POLS 150 3 Units
Introduction to Public Policy
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is an introduction to public policy. It introduces the basic concepts and processes underlying policy analysis, including application of these concepts to economic and budgetary policy, health care policy, welfare and social security policy, education policy, and environmental and energy policy, and social and cultural policies. It covers the actors involved in the policy process such as institutions, congress, the executive branch, and groups. It also addresses the theories involved in the policy process as well as the environment in which policy is made in the United States. (Formerly POLIT 150)
Associate Degree Applicable
Transfers to both UC/CSU

POLS 170 3 Units
Introduction to the Politics of Race and Gender
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is an introduction to the politics of race and gender. Using intersectionality as a framework, the course offers an overview of the political representation, identity, status, and power of non-binary Women, Native Americans, African Americans, Latina/o Americans, and Asian Americans. (Formerly POLIT 170)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: POLS 170

POLS 173 3 Units
California Government
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
California is a uniquely diverse and dynamic state! This course introduces students to the history, politics, and government of California, paying particular attention to the nature of federalism, institutions of state government, direct democracy, the role of partisanship and demographic diversity, media and public opinion, parties and interest groups, campaigns and elections, and social movements in the Golden State. Special examination will be made to the realities of making public policy and its intersection with politics, interest groups, political parties and the media. (Formerly POLIT 173)
Associate Degree Applicable
Transfers to both UC/CSU

POLS 222 1-3 Units
Independent Study in Political Science
DIR: 54 contact hours
Students with previous course work in Political Science may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Political Science and related fields. Student work may include but not be limited to readings, research, projects, intern assignments and conferences. Prior to registration, a contract must be prepared jointly by the instructor and the student. (Formerly POLIT 222)
Associate Degree Applicable
Transfers to CSU only

Law, Public Policy, and Society Associate in Arts for Transfer Degree

The Law, Public Policy, and Society degree is designed to prepare students for transfer into the CSU system to complete a baccalaureate degree in American Studies, Communications, Criminal Justice, Criminology, Global Intelligence and National Security, International Relations, Philosophy, Political Science, Social and Behavioral Sciences or a similar major. Upon completion of this degree, students will have a strong academic foundation in the field and be prepared for upper division baccalaureate study. Students who have completed the Law, Public Policy, and Society transfer degree will have satisfied the lower division requirements for transfer into American Studies, Communications, Criminal Justice, Criminology, Global Intelligence and National Security, International Relations, Philosophy, Political Science, Social and Behavioral Sciences or similar major for many campuses in the California State University system.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Law, Public Policy, and Society AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Law, Public Policy, and Society should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
LPPS 110	Introduction to Law and Society	3
or ADJUS 101	Introduction to Administration of Justice	
or ADJUS 102	Principles and Procedures of the Justice System	
or ADJUS 103	Concepts of Criminal Law	
or BUSAD 210	Business Law	
PHIL 105	Introduction to Ethics	3
COMM C1000	Introduction to Public Speaking	3
or COMM C100	Introduction to Public Speaking - Honors	
or COMM 125	Critical Thinking Through Argumentation and Debate	
or COMM 140	Small Group Communication	
or COMM 140H	Small Group Communication - Honors	
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
COMM 125	Critical Thinking Through Argumentation and Debate	3-4
or ENGL C1001	Critical Thinking and Writing	
or ENGL C1001	Critical Thinking and Writing - Honors	
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
or PSYC 105	Statistics for the Behavioral Sciences	
or ECON 208	Business and Economic Statistics	
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
or HIST C1002	United States History Since 1865	
or HIST C1002H	United States History Since 1865 - Honors	
POLS C1000	American Government and Politics	3
or POLS C1000H	American Government and Politics - Honors	
List A - Select two courses from two of the areas listed below:		
Note: courses must not have been used above.		
Area 1: Administration of Justice		
ADJUS 101	Introduction to Administration of Justice	3
ADJUS 102	Principles and Procedures of the Justice System	3
ADJUS 103	Concepts of Criminal Law	3
ADJUS 104	Legal Aspects of Evidence	3
ADJUS 105	Community Relations	3
ADJUS 108	Juvenile Procedures	3

ADJUS 151	Introduction to Corrections	3
SOCI 135	Introduction to Crime	3
Area 2: Business		
BUSAD 210	Business Law	3
Area 3: Economics		
ECON C2001	Principles of Microeconomics	3
or ECON C2001	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
Area 4: Political Science		
POLS 110	Introduction to Political Theory	3
or POLS 110H	Introduction to Political Theory - Honors	
POLS 140	Introduction to Comparative Politics	3
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
Area 5: Public Policy		
GLST 101	Introduction to Global Studies	3
GLST 102	Global Issues	3
COMM 136	Introduction to Public Relations	3
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HUMSV 130	Introduction to Addiction Studies: Drugs, Health, and Society	3
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 120	Medical Sociology	3
POLS 150	Introduction to Public Policy	3
Area 6: Diversity		
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
COMM 174	Intercultural Communication	3
GEOG 102	Cultural Geography	3
SOCI 145	Sociology of Gender	3
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
Area 7: College Success		
SDEV 102	Pathways for College and Life Success	3
SDEV 103	Career Exploration and Life Planning	3
or SDEV 103H	Career Exploration and Life Planning - Honors	

Code	Title	Units
Major Total Units		**32-33**
Total Double-Counted Units		**18**
General Education (Cal-GETC) Units		**34**
Elective Units		**11-12**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Interpret, integrate, synthesize, and apply information from multiple sources in legal, public policy, and societal issues.
b. Provide evidence and apply, through coursework, formal and informal logical reasoning skills.
c. Develop arguments, using evidence and data, related to legal, policy, and societal issues.
d. Examine ways in which marginality and privilege shape lives and opportunities, and advocate for effective responses through policy, law, and community action.
e. Examine and apply the role of law and public policy in private and public life.
f. Articulate and implement the connections between theory and practice.

Political Science Associate in Arts for Transfer Degree

Political Science is the academic discipline that investigates the institutions and processes by which human societies are ruled. Political scientists use the techniques of empirical research and historical analysis, along with normative consideration of the ends of political action, to explore the outcomes of various governmental arrangements and alternatives. The study of political science will prepare students for careers in law, politics, governmental service, social science teaching, and journalism, as well as for active participation in the political system of the United States.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Political Science AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Political Science should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
POLS C1000	American Government and Politics	3
or POLS C1000	American Government and Politics - Honors	
POLS 110	Introduction to Political Theory	3
or POLS 110H	Introduction to Political Theory - Honors	

POLS 140	Introduction to Comparative Politics	3
POLS 141	Introduction to World Politics	3
or POLS 141H	Introduction to World Politics - Honors	
List A - Two courses from the following:		
POLS 170	Introduction to the Politics of Race and Gender	3
POLS 173	California Government	3
POLS 138	Service Learning: Student Leadership	3
or POLS 138H	Service Learning: Student Leadership - Honors	
POLS 139	Service Learning: Community Leadership	3
or POLS 139H	Service Learning: Community Leadership - Honors	
ECON 208	Business and Economic Statistics	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
or PSYC 105	Statistics for the Behavioral Sciences	
List B - One course from the following:		
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology - Honors	
COMM 135	Mass Media and Society	3
ECON 100	Introduction to Economics	3
ECON C2001	Principles of Microeconomics	3
or ECON C2001H	Principles of Microeconomics - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002H	Principles of Macroeconomics - Honors	
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History Since 1865	3
or HIST C1002H	United States History Since 1865 - Honors	
HIST 137	Experiences of Racial and Ethnic Groups in U.S. History	3
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
POLS 138	Service Learning: Student Leadership	3
or POLS 138H	Service Learning: Student Leadership - Honors	
POLS 139	Service Learning: Community Leadership	3
or POLS 139H	Service Learning: Community Leadership - Honors	
POLS 150	Introduction to Public Policy	3
POLS 173	California Government	3
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
RELIG 135	Religion in America	3
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	

Code	Title	Units
Major Total Units		**18-19**
Total Double-Counted Units		**9**
General Education (Cal-GETC) Units		**34**
Elective Units		**16-17**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate a comprehensive understanding of the domestic governmental institutions and political practices of the United States – at the national, state, and local levels – including their Constitutional bases; the special functions of the legislative, executive, and judicial branches and their associated bureaucratic and regulatory agencies; and the activities of leading participants in the political process including organized special interest groups, political parties, and grass-roots activists.
b. Demonstrate a keen awareness of the world beyond our national borders and know the principal players in world politics--state actors (countries) and non-state actors such as international governmental organizations (IGOs) and international non-governmental organizations (INGOs), and their respective role in creating world order; employ the principle of levels of analysis to explain a major development in world politics such as the outbreak of war or a complex foreign policy decision; understand the principal parameters around which to compare different political systems; have an understanding of how different historical and cultural forces end up creating different regimes--authoritarian regimes or democratic regimes; and have a general knowledge of the fundamental components of political economy—public goods, taxation, regulations, trade policies, employment, and money supply.
c. Demonstrate an understanding of the practical skills needed for employment, or other participation, in governmental and political contexts.

Psychiatric Technology

The Psychiatric Technology Program prepares students to become licensed Psychiatric Technicians (PTs) who provide compassionate, evidence-based care to individuals with mental health disorders, developmental disabilities, and medical conditions. The program equips students with the skills necessary to support patients in achieving their highest level of wellness.

Graduates are eligible to take the California Psychiatric Technician Licensing Examination. The program is accredited by:

California State Board of Vocational Nurses and Psychiatric Technicians (BVNPT)
2535 Capitol Oaks Drive, Suite 205
Sacramento, CA 95833

The program admits students in the Fall and Spring semesters. Admission requires the completion of all prerequisites, support courses, and required coursework, as well as an application and acceptance into the program.

To enroll, students must:

- Pass a Live Scan background check
- Meet health requirements

Important Notice: Under California law, the Board of Vocational Nurses and Psychiatric Technicians (BVNPT) may deny licensure based on prior convictions or legal actions related to Psychiatric Technician practice.

Required Prerequisite Courses:

a. High school completion (official transcript or Diploma or G.E.D., AA Degree, BS Degree, or foreign graduate that has been evaluated by AERC (American Educational Research Corporation), or IERF (International Education Research Foundation), or World Education Services.
b. Complete the following courses with a grade of C or higher to apply to the Psych Tech program.

Code	Title	Units
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
PSYC 105	Statistics for the Behavioral Sciences	4
or STAT C1000	Introduction to Statistics	
Human Anatomy and Physiology - Select one series from the following:		
BIOL 155	Introductory Anatomy and Physiology [1]	4
BIOL 250 & BIOL 251	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
BIOL 260 & BIOL 261	Human Anatomy and Human Physiology	8

c. Students have the option to enroll in PSYC 110, PSYC 111, or PSYC 112 if PSYC C1000 or PSYC C1000H was completed more than 5 years ago.
d. PSYC C1000 or PSYC C1000H must be completed within 5 years of starting the program. Foreign transcripts must be evaluated for equivalency by an approved agency. See program Director/Department Chair.

[1] Fully online sciences will not be accepted. BIOL 250 (https://catalog.valleycollege.edu/search/?P=BIOL%20250) & BIOL 251 (https://catalog.valleycollege.edu/search/?P=BIOL%20251) must be completed at the same regionally accredited institution.

Application to the Psychiatric Technician

Applications to the Psychiatric Technician program may only be submitted when all program prerequisites have been completed. Applications must be submitted online via the link provided on the SBVC Psychiatric Technician webpage. The applications will be accepted March 1 – 15 for entry in the fall and September 1-15 for entry in the Spring. The application will not be accepted if falsification or inaccurate information is provided. Submit the following to Admission & Records prior to submitting the application:

a. Official college transcripts from all colleges or universities attended except for SBVC or Crafton Hills College. Transcripts must be issued within the last 6 months and document that the program prerequisites have been completed. If transcripts are from a foreign country, they must be evaluated for equivalency - see Admission Clerk.
b. High School completion document (or equivalent) - High school completion (official transcript or Diploma or G.E.D., AA Degree, BS Degree, or foreign graduate that has been evaluated by AERC (American Educational Research Corporation), or IERF (International Education Research Foundation), or World Education Services.

Acceptance Procedure

Effective Fall 2019 the Psychiatric Technology Program will select students through a point system. All prerequisites must be completed prior to applying, no exceptions. Once the application period has closed, the acceptance committee will review all completed applications. Students ranked with the highest points will then be selected for entry. Applicants will be notified via email and Canvas of their application status.

Contact Information:

Division: Health Sciences (HLS - 101)

Division Phone Number: (909) 384-4450

Division Dean: Lorrie Burnham (lburnham@sbccd.edu), M.S.

Psych Tech (BNVPT) Director: Lessie Moore (lmoore@valleycollege.edu), B.S.

Faculty Chair: MiChelle Jackson (mijackson@sbccd.edu), B.S.

Counselor Liaisons:

- Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
- Nicole Jimenez (njimenez@sbccd.edu), M.S.
- Abena Weber (aweber@sbccd.edu), Ed.D.

- Psychiatric Technology Associate of Science Degree
- Psychiatric Technology Certificate of Achievement

PSYTCH 080 19.5 Units
Psychiatric Technology: Introduction to Nursing Science
Lecture: 220 contact hours
Lab: 356 contact hours
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Psychiatric Technology Program.
This course introduces students to the fundamental concepts and skills necessary for entry-level psychiatric technician practice, enabling them to provide safe, patient-centered care to adult patients in various community care settings. Emphasis is placed on therapeutic communication, nursing process, basic nursing care, patient safety, health promotion, cultural responsiveness, disease prevention, foundational medical-surgical nursing, and gerontological nursing within diverse populations. Through a combination of theory, hands-on skills practice, and clinical reasoning, students will learn to deliver compassionate care while demonstrating professional behavior, cultural sensitivity, and collaboration within the healthcare team. This course supports the development of novice psychiatric technician students to function effectively in a variety of healthcare environments within the psychiatric technician scope of practice.
Associate Degree Applicable

PSYTCH 081 19.5 Units
Developmental Disabilities
Lecture: 220 contact hours
Lab: 356 contact hours
Prerequisite: PSYTCH 080
Limitation on Enrollment: Registration is limited to students who have completed program prerequisites and have been accepted into the Psychiatric Technology program.
This course builds upon foundational nursing principles to prepare students for intermediate-level psychiatric technician practice, focusing on safe, competent care for individuals with intellectual and developmental disabilities across the lifespan. Emphasis is placed on prenatal development, normal growth and development, the transition from adolescence to adulthood, and the etiology of diverse neurodevelopmental disorders. Students will analyze the impact of healthcare systems and health disparities on clinical outcomes, particularly in children with developmental disabilities. The curriculum enhances clinical judgment and technical skills to implement evidence-based interventions, adaptive skills training, and client advocacy in community settings. The course promotes leadership, therapeutic communication, and interdisciplinary collaboration within the psychiatric technician's scope of practice to deliver holistic, equitable care. (Formerly PSYTCH 084)
Associate Degree Applicable

PSYTCH 082 13 Units
Psychiatric Mental Health Disorders
Lecture: 136 contact hours
Lab: 242 contact hours
Prerequisite: PSYTCH 080 and PSYTCH 081
Limitation on Enrollment: Registration is limited to students who have completed prerequisites and have been accepted into the Psychiatric Technology program.
This course prepares students at the advanced beginner level to deliver safe, patient-centered care to adults with psychiatric mental health disorders across a variety of healthcare settings. Emphasizing the integration of clinical knowledge, technical skills, and professional behavior, students will expand their ability to manage complex patient needs while demonstrating leadership, critical thinking, and collaboration within the psychiatric technician scope of practice. The course supports the transition from basic to more advanced psychiatric technician functions, reinforcing confidence and competence in psychiatric mental health care delivery. (Formerly PSYTCH 086)
Associate Degree Applicable

PSYTCH 600 Noncredit
Psychiatric Technician Skills Lab
Lab: 72 contact hours
Limitation on Enrollment: Students must be enrolled in at least one other Psychiatric Technology course at San Bernardino Valley College or a recent graduate of the Psychiatric Technician program.
This noncredit class offers inclusive support to students by assisting them in understanding the course-specific content within the Psychiatric Technology program. The class is designed to accommodate diverse learning styles and needs, with activities such as dosage calculation practice, demonstrations, and practice of essential psych tech skills and procedures. These activities help students develop competencies in various areas, including physical assessment, isolation techniques, oxygenation, wound care, urinary catheterization, medication administration, and other specialized medical and surgical skills. Instructional services are tailored to meet the needs of all students and may include supervised individual or group tutorials, computer-assisted instruction, and testing. Enrollment in this class is open to all students currently enrolled in the SBVC Psychiatric Technology program, ensuring equitable access to learning opportunities for all participants.

PSYTCH 601 Noncredit
Psychiatric Technician Licensure Exam Preparation
Lecture: 18 contact hours
This noncredit course prepares students that have completed or are nearing completion of the psychiatric technology program for the state administered licensing examination for psychiatric technicians. This course is also recommended for students who desire refresher training. Topics include, but are not limited to, nursing science – theory and techniques, basic nursing, developmental disabilities, medications, psychiatric mental health nursing. Also included are some basic test-taking techniques to increase proficiency on the state exam.

Psychiatric Technology Associate of Science Degree

This degree prepares students to become Psychiatric Technicians who deliver high-quality, compassionate, and culturally responsive care while supporting patients in achieving optimal wellness. The curriculum emphasizes respect for diverse backgrounds, inclusive practices, and equitable treatment in a variety of healthcare settings. Graduates are eligible to take the state licensing examination. The program is accredited

by the California State Board of Vocational Nurses and Psychiatric Technicians. Students are admitted in Fall and Spring and must complete prerequisites, required coursework, and a formal application process designed to support broad access and opportunity. Enrollment requires a Livescan background check and health clearance. California law may deny licensure based on certain convictions or legal actions related to practice.

Code	Title	Units
General Education (GE) Requirements:		
Biology - Select on course sequence (4-8 units):		
BIOL 155	Introductory Anatomy and Physiology	4
BIOL 250 & BIOL 251	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
BIOL 260 & BIOL 261	Human Anatomy and Human Physiology	8
English:		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
Statistics:		
PSYC 105	Statistics for the Behavioral Sciences	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
or ECON 208	Business and Economic Statistics	
Psychology:		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
Required Courses:		
PSYTCH 080	Psychiatric Technology: Introduction to Nursing Science	19.5
PSYTCH 081	Developmental Disabilities	19.5
PSYTCH 082	Psychiatric Mental Health Disorders	13
Total Units		**67-71**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Use an online simulated Psychiatric Technology State Board Certification examination (BVNPT) to prepare for the BVNPT licensure exam.
b. Apply safe and timely medication administration practices, including preparation and delivery of injections.
c. Calculate pharmacological dosages.
d. Apply and interpret therapeutic communication techniques during patient interactions, demonstrating respect for diverse backgrounds, perspectives, and communication needs.
e. Develop and discuss case studies/care plans to prioritize patient care.

Psychiatric Technology Certificate of Achievement

This certificate prepares students to become Psychiatric Technicians who deliver high-quality, compassionate, and culturally responsive care while supporting patients in achieving optimal wellness. Graduates are prepared to take the California Psychiatric Technician licensing examination. The program is accredited by the California Board of Vocational Nursing and Psychiatric Technicians. Students must complete prerequisites, required coursework, and a formal application process. Training includes campus instruction and supervised experiences in diverse community settings. Enrollment requires a background check and health clearance. Licensure may be denied based on convictions or actions related to practice.

Code	Title	Units
General Education (GE) Requirements:		
Biology - Select one course sequence (4-8 units):		
BIOL 155	Introductory Anatomy and Physiology	4
BIOL 250 & BIOL 251	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
BIOL 260 & BIOL 261	Human Anatomy and Human Physiology	8
English:		
ENGL C1000	Academic Reading and Writing	4
or ENGL C1000H	Academic Reading and Writing - Honors	
Statistics:		
PSYC 105	Statistics for the Behavioral Sciences	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
or ECON 208	Business and Economic Statistics	
Psychology:		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
Required Courses:		
PSYTCH 080	Psychiatric Technology: Introduction to Nursing Science	19.5
PSYTCH 081	Developmental Disabilities	19.5
PSYTCH 082	Psychiatric Mental Health Disorders	13
Total Units		**67-71**

This is a Gainful Employment program.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Use an online simulated Psychiatric Technology State Board Certification examination (BVNPT) to prepare for the BVNPT licensure exam.
b. Apply safe and timely medication administration practices, including preparation and delivery of injections.
c. Calculate pharmacological dosages.

d. Apply and interpret therapeutic communication techniques during patient interactions, demonstrating respect for diverse backgrounds, perspectives, and communication needs.
e. Develop and discuss case studies/care plans to prioritize patient care.

Psychology

Psychology is both a natural and a social science concerned with the study of human behavior, thoughts, and emotions. As such, it is a broad discipline, which involves both pure science and practical application of science to matters of daily living. Students planning to transfer to a four-year institution and major in psychology should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D

Faculty Chair: Danielle (dgraham@sbccd.edu) Pearson (dgraham@sbccd.edu), Ph.D. and Adam Pave (apave@sbccd.edu), Ph.D

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- Psychology Associate in Arts for Transfer Degree

PSYC C1000 3 Units
Introduction to Psychology
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college-level writing (C-ID ENGL 100) and reading (a course with an existing skill of ability to read a college level text)
This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PSY 110

PSYC C1000H 3 Units
Introduction to Psychology - Honors
Lecture: 54 contact hours
Departmental Recommendation: Eligibility for college-level writing (C-ID ENGL 100) and reading (a course with an existing skill of ability to read a college level text)
This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PSY 110

PSYC 102 3 Units
Personal and Social Adjustment
Lecture: 54 contact hours
Prerequisite: PSYC C1000 or PSYC C1000H
Departmental Recommendation: READ 100
This course provides students with an applied focus on how psychology is used in everyday life and is related to other social sciences. This course examines a variety of psychological and theoretical perspectives and how these ideas are applied across a person's life taking into account the influence of factors such as culture, gender, ethnicity, historical cohort, and socio-economic status. A broad understanding of how scientists, clinicians, and practitioners study and apply psychology is emphasized. (Formerly PSYCH 102)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PSY 115

PSYC 105 4 Units
Statistics for the Behavioral Sciences
Lecture: 72 contact hours
Prerequisite: Eligibility for college level Mathematics based on the SBVC Guided-Self Placement process.
Departmental Recommendation: PSYC C1000 or PSYC C1000H
This class focuses on statistics as applied to the social sciences and includes such topics as measurement, frequency distributions, measures of central tendency, measures of variability, the normal distribution curve, correlation, sampling, statistical inference, hypothesis testing and an introduction to analysis of variance. (Formerly PSYCH 105)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: MATH 110/SOC125

PSYC 110 3 Units
Abnormal Psychology
Lecture: 54 contact hours
Prerequisite: PSYC C1000 or PSYC C1000H
Departmental Recommendation: READ 100
This course is an integrative survey of theory and research in abnormal behavior. The scientific study of psychopathology and atypical behaviors is explored. Abnormal behavior is investigated from a variety of perspectives including biological, psychological, and sociocultural approaches. Intervention and prevention strategies for psychological disorders are also introduced. (Formerly PSYCH 110)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PSY 120

PSYC 111 3 Units
Developmental Psychology: Lifespan
Lecture: 54 contact hours
Prerequisite: PSYC C1000 or PSYC C1000H
Departmental Recommendation: READ 100
This course is a survey of lifespan developmental psychology from conception through death, including biological and environmental influences. Theories and research on physical, cognitive, personality, and social development are examined, as well as attention to developmental disturbances and problems. (Formerly PSYCH 111)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PSY 180

PSYC 112 3 Units
Developmental Psychology: Child and Adolescent Psychology
Lecture: 54 contact hours
Prerequisite: PSYC C1000 or PSYC C1000H
Departmental Recommendation: READ 100
This course is a survey of the psychological growth of the normal individual from conception through adolescence with emphasis on stages of development. Particular emphasis is given to physical development, intellectual development, social and emotional development during the first two decades of life. Other topics include good and bad parenting styles and the potential problems encountered by children and adolescents. (Formerly PSYCH 112)
Associate Degree Applicable
Transfers to both UC/CSU

PSYC 118 3 Units
Human Sexual Behavior
Lecture: 54 contact hours
Prerequisite: PSYC C1000 or PSYC C1000H
Departmental Recommendation: READ 100
This course provides an overview of the field of human sexuality through examining human sexuality from psychological, biological, sociocultural, and historical perspectives. Current sex norms and aspects of interpersonal and individual sexual adjustment will be explored. Students will be encouraged to develop an awareness of their own sexual attitudes, values, and behaviors and to evaluate the consistency of their behaviors within their own moral frameworks. (Formerly PSYCH 118)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PSY 130

PSYC 119 3 Units
Multicultural Psychology
Lecture: 54 contact hours
Prerequisite: PSYC C1000 or PSYC C1000H
Departmental Recommendation: READ 100
This course examines cultural influences on human behavior such as development, mental health, social behavior, and social cognition in contexts ranging from everyday modes of functioning to family and work relationships. This course will examine a wide range of theories and research with respect to cultural influences on human behavior, cognitive processes, lifespan development, abnormal behavior, mental health, self-concept, emotion, motivation, learning, intelligence, perception, memory, and communication. This course provides students with a non-judgmental environment in which students will understand how culture influences human behavior which will assist them in interactions with people from diverse cultures. (PSYCH 119)
Associate Degree Applicable
Transfers to both UC/CSU

PSYC 141 3 Units
Introduction to Biological Psychology
Lecture: 54 contact hours
Prerequisite: PSYC C1000 or PSYC C1000H
Departmental Recommendation: READ 100
This course will introduce the scientific study of the biological bases of behavior and the role of the scientific method in neuroscience. Topics will include basic neuroanatomy and neurophysiology, nervous system structure and functions, hormonal and neurochemical mechanisms, brain-behavior relationships underlying movement, sensation, perception, learning, memory, consciousness, emotion, regulatory processes, and psychological disorders. Historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes will be addressed in this course. Ethical standards for human and animal research will be discussed in the context of both invasive and non-invasive experimental research. (PSYCH 141)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PSY 150

PSYC 201 4 Units
Research Methods for the Behavioral Sciences
Lecture: 72 contact hours
Prerequisite: PSYC C1000 or PSYC C1000H and ECON 208 or STAT C1000 or STAT C1000H or PSYC 105
Departmental Recommendation: READ 100
This course is a survey of research design and research methods primarily used in psychology and the social sciences including experimental and non-experimental research methods. Students will conduct research, analyze data, and write research reports. (Formerly PSYCH 201)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PSY 200

Psychology Associate in Arts for Transfer Degree

Psychology is both a natural and a social science concerned with the study of human behavior, thoughts, and emotions. As such, it is a broad discipline which involves both pure science and practical application of science to matters of daily living. The Psychology Associate in Arts Degree for Transfer (Psychology AA-T degree) provides students with an education in the core aspects of Psychology which include research methods, statistics, biological influences on behavior and mental processes, and major theoretical perspectives in the discipline. The Psychology AA-T degree prepares students for transfer to CSU campuses that offer bachelor's degrees in psychology.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Psychology AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and

- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Psychology should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		**11**
ECON 208	Business and Economic Statistics	4
or PSYC 105	Statistics for the Behavioral Sciences	
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology - Honors	
PSYC 201	Research Methods for the Behavioral Sciences	4
List A - One course from the following:		
BIOL C1000	Introduction to Biology with Lab	4
PSYC 141	Introduction to Biological Psychology	3
List B - One course from the following (or any course not used from List A):		
CDEV C1000	Child Growth and Development	3
or CDEV C1000H	Child Growth and Development - Honors	
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001H	Critical Thinking and Writing - Honors	
PSYC 111	Developmental Psychology: Lifespan	3
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
List C - One course from the following (or any course not selected from List A or List B):		
PSYC 102	Personal and Social Adjustment	3
PSYC 110	Abnormal Psychology	3
PSYC 112	Developmental Psychology: Child and Adolescent Psychology	3
PSYC 118	Human Sexual Behavior	3
PSYC 119	Multicultural Psychology	3
MATH 102	College Algebra	4

Code	Title	Units
Major Total Units		**20-22**
Total Double-Counted Units		**13**
General Education (Cal-GETC) Units		**34**
Elective Units		**17-19**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify, compare, and critically evaluate theory- and research-based ideas in psychology.
b. Analyze and evaluate psychological concepts.
c. Apply psychological concepts to the analysis and evaluation of the consequences of personal behavioral choices.
d. Identify, analyze, and apply concepts related to statistical information and techniques as well as research methods.

Real Estate

There are varieties of reasons why people study real estate. Some wish to become real estate agents, and some people study real estate to be better-informed consumers as they work with agents to buy or sell a personal residence. Still others study real estate as a way to acquire long-term investments that could generate rental income for their retirement years. Whatever the reason, this curriculum provides a strong basis for understanding the real estate market.

The Real Estate curriculum is designed to provide students with the preparation for pre-qualification for the real estate sales or brokers examinations.

Contact Information:

Division: Academic Services, Business, Computer Technology, and Hospitality (B - 127)

Division Phone Number: (909) 384-8520

Division Dean: Stephanie Lewis (slewis@sbccd.edu), Ph.D., Ed.S.

Department Chair: Michael Assumma (massumma@sbccd.edu), M.B.A.

Counselor Liaisons:

- Armando Garcia (argarcia@sbccd.edu), M.S.C.
- Patricia (Patty) Jones (pjones@sbccd.edu), M.A.

- Real Estate Associate of Arts Degree
- Real Estate Certificate of Achievement

REALST 062 3 Units
Real Estate Practice
Lecture: 54 contact hours
This course covers the practical techniques of operating a real estate business. Emphasis on daily activities of brokers and salesperson; introduction to appraising, exchanges, listings, advertising, financing, and marketing. Exchanges, specialized brokerage, property management, professional and public relations.
Associate Degree Applicable

REALST 063 3 Units
Real Estate Loan Processing Fundamentals
Lecture: 54 contact hours
Departmental Recommendation: REALST 100
This course covers loan processing, specifically the mechanics of mortgage lending with emphasis on ethical practices.
Associate Degree Applicable

REALST 068 3 Units
Real Estate Appraisal: Residential
Lecture: 54 contact hours
Departmental Recommendation: REALST 100
This course addresses the purpose of appraisals, appraisal process, and the different methods, approaches, and techniques used to determine the value of various types of property. Successful completion of this course meets elective qualification for salesperson or broker licensing approval.
Associate Degree Applicable

REALST 070 3 Units
Real Estate Finance
Lecture: 54 contact hours
Departmental Recommendation: REALST 100
This foundational Residential Real Estate Finance course will introduce the student to the basics of residential real estate finance. The course covers the basics of borrowing money to buy a home and how the overall financing process works (financing sources, loans underwriting, applications, and appraisals). This course can be used to meet the additional education requirement of the salesperson or broker license.
Associate Degree Applicable

REALST 074 3 Units
Legal Aspects of Real Estate
Lecture: 54 contact hours
Departmental Recommendation: REALST 100
This course is an overview of California real property law and its influence on various aspects of the real estate industry. The course examines the legal issues surrounding real estate ownership and transfer, contracts, rights and duties of ownership, conveyance issues, mortgages and deeds of trust, easements, government control and powers, escrow and title insurance, zoning, landlord and tenant problems, real estate brokerage and agency relationships, and agency ethics. This course applies toward education requirement of California Broker's Examination.
Associate Degree Applicable

REALST 076 3 Units
Property Management
Lecture: 54 contact hours
Departmental Recommendation: REALST 100
This course provides an overview of property management fundamentals for the real estate professional, individual owner, or real estate student. Property types covered include office, retail, industrial, condominium, and apartment buildings. Responsibilities of the property manager/owner will be studied, including tenant relations, landlord/tenant law, leasing/renting, human resources, office administration, insurance, financial statements/budgets, building maintenance, vendor services, and property management as a career. This course applies towards the educational requirements for the California State Broker's Examination.
Associate Degree Applicable

REALST 078 3 Units
Real Estate Economics
Lecture: 54 contact hours
Departmental Recommendation: REALST 100
This course provides students with a basic understanding of economic factors that affect residential, commercial, industrial, rural and special purpose real estate. The focus is on financing and government policy; urban development and renewal; regulation of land use; business and real estate cycles and mortgage markets and their impact on real estate and investment opportunities. This course satisfies the California Department of Real Estate (DRE) requirement that students pass a college-level Real Estate Economics course prior to taking the Real Estate Broker License Exam. It can also count as the optional course that students must pass prior to taking the California Real Estate Salesperson License Exam.
Associate Degree Applicable

REALST 080 3 Units
Escrow Procedures
Lecture: 54 contact hours
Departmental Recommendation: REALST 100
This course provides students with a real-life application of the steps in a real estate sale including completing and reviewing the California Association of Realtors (C.A.R.) Joint Purchase Agreement and Escrow Instructions, reviewing the Preliminary Report and solving title problems, learning lenders' closing requirements and the recording process, and balancing and figuring the settlement of the closing funds. Applies toward the State's elective educational requirements for the Real Estate Salesperson license and toward the requirements for the broker's examination.
Associate Degree Applicable

REALST 100 3 Units
Real Estate Principles
Lecture: 54 contact hours
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course includes the fundamentals of real estate including the basic laws and principles of California real estate. This includes the background and terminology necessary for advanced study of real estate. The successful completion of this course meets qualifications for sales person or broker licensing exam.
Associate Degree Applicable
Transfers to CSU only

REALST 601 Noncredit
Real Estate Exam Preparation: CA Licensing
Lecture: 18 contact hours
Departmental Recommendation: Completion of REALST 100 and REALST 062 and one REALST elective course in order to meet the requirements to apply for the DRE Real Estate Salesperson License exam.
This noncredit course is designed to prepare the student for the State of California Department of Real Estate (DRE) licensing examination. In the course, many real estate topics are covered in examination format. The following topics will be covered: real and personal property acquisition, ownership, estates in real property, joint tenancies, partnerships, sales contracts, homesteads, deeds and taxes. methods of financing, real estate practices, and regulation of the real estate business.

Real Estate Associate of Arts Degree

To graduate with a specialization in Real Estate, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units).

Code	Title	Units
Required Courses:		
REALST 062	Real Estate Practice	3
REALST 068	Real Estate Appraisal: Residential	3
REALST 070	Real Estate Finance	3
REALST 074	Legal Aspects of Real Estate	3
REALST 076	Property Management	3
REALST 080	Escrow Procedures	3
REALST 100	Real Estate Principles	3
REALST 078	Real Estate Economics	3
or ECON 100	Introduction to Economics	
Total Units		**24**

Code	Title	Units
Recommended Courses:		
ACCT 200	Financial Accounting	4
BUSAD 103	Marketing Principles	3
BUSAD 106	Principles of Selling	3
BUSAD 100	Introduction to Business	3
BUSAD 210	Business Law	3
BUSAD 050	Business Math	3
CIT 010	Fundamentals of Documents Management	3

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Critically analyze how real estate is acquired, held, used, regulated, taxed and transferred.
b. Define the role and responsibilities of a real estate agent in California.
c. Demonstrate an understanding of and familiarity in the world of real estate and its related terminology.
d. Meet the requirements to sit for the California Real Estate License Exam.

Real Estate Certificate of Achievement

This certificate qualifies students for entry-level employment in title and escrow companies, mortgage companies, financial institutions, and related firms.

Code	Title	Units
Required Courses:		
REALST 062	Real Estate Practice	3
REALST 068	Real Estate Appraisal: Residential	3
REALST 070	Real Estate Finance	3
REALST 074	Legal Aspects of Real Estate	3
REALST 100	Real Estate Principles	3
One course from the following:		**3-4**
ACCT 200	Financial Accounting	4
BUSAD 103	Marketing Principles	3
BUSAD 106	Principles of Selling	3
BUSAD 100	Introduction to Business	3
BUSAD 210	Business Law	3
BUSAD 050	Business Math	3
REALST 063	Real Estate Loan Processing Fundamentals	3
REALST 076	Property Management	3
REALST 078	Real Estate Economics	3
or ECON 100	Introduction to Economics	
REALST 080	Escrow Procedures	3
Total Units		**18-19**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be familiar with various Real Estate listing agreements, concepts, forms, terminology, procedures, contracts, National Association of Realtor's Code of Professional Responsibility.
b. Read, interpret and discuss various principles of real estate.
c. Discuss and describe the methods of appraising real property and how to evaluate single-family residences, investment property and commercial property.
d. Discuss the effect of taxes on real estate including residential, income property, and investments, and understand telephone techniques, direct mail, and building clientele management of investment properties, methods for qualifying loans.
e. Be prepared to set up a real estate business by understanding the process of licensing and starting your own company, know the selling process including various types of sales. Be familiar with government agencies involved in real estate.
f. Analyze and know regulation, procedures of finance and economic factors such as understanding types of lenders, methods of qualifying loans, mortgage markets, Urban development, real estate cycles, and trends.
g. Understand basic real estate mathematics.

h. Understand the structure and scope of the escrow business and be able to outline the history of the real estate business.
i. Be prepared for Department of Real Estate (DRE) licensing examination.

Sociology

Sociology is a social science involving the study of societies. Through analyses of society, its institutions, groups, processes, and social lives of people, sociologists attempt to understand and predict social interactions and change. Sociology prepares students for further study for careers in social work and counseling, social services, probation, corrections, law enforcement, research, public policy, law, education and other fields, which require an understanding of social life. The sociology program includes basic introductory courses in sociology, social problems, institutions, and social inequality. Students planning to transfer to a four-year institution and major in sociology should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Social Sciences and Human Development (NH - 345)

Division Phone Number: (909) 384-8603

Division Dean: Kirk Rogers (kirogers@sbccd.edu), Ph.D.

Faculty Chair: Anthony Blacksher (ablacksher@sbccd.edu), Ph.D.

Counselor Liaisons:

- Frank Dunn (fdunn@sbccd.edu), M.P.A.
- Leslie Gregory (lgregory@sbccd.edu), M.A.
- Botra Moeung (bmoeung@sbccd.edu), Ed.D.

- Mindfulness for Work and Community Certificate of Completion
- Social Justice, Advocacy, and Community Associate of Arts Degree
- Sociology Associate in Arts for Transfer Degree

SOCI C1000 3 Units
Introduction to Sociology
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course introduces students to Sociology: the study of people, groups, and institutions that shape people's lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. (Formerly SOC 100)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 110

SOCI C1000H 3 Units
Introduction to Sociology - Honors
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course introduces students to Sociology: the study of people, groups, and institutions that shape people's lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. This is an honors course. (Formerly SOC 100H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 110

SOCI 110 3 Units
Social Problems
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course is an examination of contemporary social issues in the United States including causes, consequences, interventions, and solutions, with an emphasis on social institutions and other topics such as crime, inequalities, substance abuse, and the role of power and ideology in the construction and definitions of social problems. (Formerly SOC 110)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 115

SOCI 110H 3 Units
Social Problems - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is an examination of contemporary social issues in the United States including causes, consequences, interventions, and solutions, with an emphasis on social institutions and other topics such as crime, inequalities, substance abuse, and the role of power and ideology in the construction and definitions of social problems. This course is intended for students in the Honors Program, but is open to all students who desire more challenging work. (Formerly SOC 110H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 115

SOCI 120 3 Units
Medical Sociology
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course is a sociological introduction to health and illness in society. There is a focus on the social determinants of health, health inequities, policies, organization and access to the healthcare system. Comparisons to global healthcare policies and health outcomes are evaluated. (Formerly SOC 120)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: PH 102

SOCI 130 3 Units
Family Sociology
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course is an examination of the family as a social institution. Topics include historical and contemporary trends, social stratification, intimacy and relationships, and social forces that influence the family. (Formerly SOC 130)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 130

SOCI 135 3 Units
Introduction to Crime
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course is a sociological examination of crime, criminality, and deviance in society with a focus on types of deviant and criminal behaviors, history, and patterns in the United States. Topics include sociological theories, definition and measurement of crime, cultural values and norms related to deviance, social inequality, criminal justice system, and the laws and methods used to control crime and deviance. (Formerly SOC 135)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 160

SOCI 141 3 Units
Race and Ethnic Relations
Lecture: 54 contact hours
This course is a sociological and interdisciplinary examination of racial and ethnic groups in American society. Topics include historical and contemporary events and practices that have institutionalized racism including the social struggles of the four racialized core groups, with a focus on introductory concepts of ethnic studies, intersectionality, and anti-racist approaches toward social justice and equity. This course is also offered as ETHS 141. (Formerly SOC 141)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 150

SOCI 141H 3 Units
Race and Ethnic Relations - Honors
Lecture: 54 contact hours
Prerequisite: ENGL C1000 or ENGL C1000H
This course is a sociological and interdisciplinary examination of racial and ethnic groups in American society. Topics include historical and contemporary events and practices that have institutionalized racism including the social struggles of the four racialized core groups, with a focus on introductory concepts of ethnic studies, intersectionality, and anti-racist approaches toward social justice and equity. This course is intended for students in the Honors Program but is open to all students who desire more challenging course work. This course is also offered as ETHS 141H. (Formerly SOC 141H)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 150

SOCI 145 3 Units
Sociology of Gender
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course is an examination of the social construction of gender, femininity, and masculinity in the United States. Topics include historical, cross-cultural, and societal forces and change that influence gender socialization, expectations, and practices with an emphasis on social institutions and some focus on global contemporary trends. (Formerly SOC 145)
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: SOCI 140

SOCI 150 3 Units
Aging and the Life Course
Lecture: 54 contact hours
Departmental Recommendation: READ 100 or ENGL C1000 or ENGL C1000H
This course is a sociological and multi-disciplinary examination of aging and the life course with an emphasis on aging as a social process. Topics include demographic trends, historical, cross-cultural, political, and economic forces that influence the experience of aging on individuals and families throughout the lifespan, communities, and societies, with some focus on global patterns. (Formerly SOC 150)
Associate Degree Applicable
Transfers to both UC/CSU

SOCI 601 Noncredit
Mindfulness, Society, and Self
Lecture: 18 contact hours
This noncredit course introduces mindfulness meditation and social awareness for personal well-being and workforce readiness. Mindfulness has been shown to strengthen relationships, reduce stress, and improve concentration. You will practice mindful breathing, body scans, and non-judgmental observation while exploring how sociocultural and group dynamics shape experiences, interactions, and identity. You are invited to engage with these tools at a pace that feels safe. Whether you're preparing for a career in healthcare, education, social work, or any people-centered path, this course offers valuable soft skills you can include on your resume and California's Digital Career Passport. Completion of SOC 601 and SOC 602 are required to earn the Certificate in Mindfulness for Work and Community.

SOCI 602 Noncredit
Compassion, Connection, and Belonging
Lecture: 18 contact hours
This noncredit course introduces compassion-based mindfulness for personal well-being and workplace readiness. Compassion practices have been shown to lower anxiety, improve resilience, and strengthen connection and belonging. Included in this course are core compassion practices including self-compassion, gratitude, equanimity, and loving kindness, along with an exploration of compassion tools within the social context of workplace and organizational environments and interactions. You are invited to engage with these tools at a pace that feels safe. Whether you're preparing for a career in healthcare, education, social work, or any people-centered path, this course offers valuable soft skills you can include on your resume and California's Digital Career Passport. Completion of SOC 601 and SOC 602 are required to earn the Certificate in Mindfulness for Work and Community.

Mindfulness for Work and Community Certificate of Completion

This noncredit Certificate in Mindfulness for Work and Community introduces students to mindfulness meditation as an applied practice for managing stress, improving focus, and supporting social well-being, connection, belonging, equity, and inclusion in workforce and community settings. Students will learn and practice the foundations of mindfulness meditation and compassion-based practices within social contexts and environments. This includes the awareness of how societal systems, cultural expectations, and group dynamics shape workplace experiences and relationships. Students will gain mindfulness tools to approach work and community roles with presence, clarity, and social awareness. This certificate teaches mindfulness-related soft skills in preparation for a career in healthcare, education, social work, or any people-centered path and can be included on resumes and California's Digital Career Passport. This certificate does not certify students to lead mindfulness meditation sessions.

Code	Title	Units
Required Courses:		
SOCI 601	Mindfulness, Society, and Self	0
SOCI 602	Compassion, Connection, and Belonging	0
Total Hours		**32-36**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Integrate introductory mindfulness meditation practices to support social well-being in chosen career pathway.
b. Apply compassion-based mindfulness practices to the self in a social and workforce context.
c. Reflect on the benefits of sociological mindfulness in the workplace and community.

Social Justice, Advocacy, and Community Associate of Arts Degree

The Associate of Arts Degree in Social Justice, Advocacy and Community is designed to provide students with a comprehensive understanding of the complex social, political and economic issues that contribute to social inequalities and injustices. Courses in this program will cover a range of topics, including the history and theories of social justice, the role of advocacy and activism in effecting change, and the principles and practices of community organizing. Graduates of this program will be well-equipped to pursue further education in related fields, or to enter the workforce in a variety of roles, such as community organizer, social worker, activist, policy analyst, or advocate. They will be prepared to make a positive impact in their communities and to contribute to the ongoing struggle for social justice and equity.

Code	Title	Units
Required Courses:		
ETHS 100	Introduction to Ethnic Studies	3
COMM C1000	Introduction to Public Speaking	3
or COMM C1000H	Introduction to Public Speaking - Honors	
ECON C2002	Principles of Macroeconomics	3
or ECON C2002	Principles of Macroeconomics - Honors	
MUS 108	History of Hip Hop Music	3
COMM 135	Mass Media and Society	3
or FTVM 103	Ethnicity and Identity in Media	
or ETHS 103	Ethnicity and Identity in Media	
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
SOCI 150	Aging and the Life Course	3
POLS 139	Service Learning: Community Leadership	3
or POLS 139H	Service Learning: Community Leadership - Honors	
POLS 150	Introduction to Public Policy	3
SDEV 103	Career Exploration and Life Planning	3
or SDEV 103H	Career Exploration and Life Planning - Honors	
One course from the following:		
ANTH 108	Introduction to Native American Studies	3
or ANTH 108H	Introduction to Native American Studies - Honors	
or ETHS 108	Introduction to Native American Studies	
HIST 107	Native American Experiences in U.S. History	3
or HIST 107H	Native American Experiences in U.S. History - Honors	
or ETHS 107	Native American Experiences in U.S. History	
or ETHS 107H	Native American Experiences in U.S. History - Honors	
HIST 139	The African American Experience in U.S. History from 1877	3
HIST 142	Experiences of Asian Americans in U.S. History	3
Health - One course from the following:		
HEALTH 100	Introduction to Public Health	3
HEALTH 101	Personal Health and Wellness	3
HEALTH 104	Women's Health	3
Self-Care - One course from the following:		
DANCE 105A	Beginning Jazz Dance	2
KINF 127A	Beginning Walking for Fitness	1
KINF 154A	Beginning Hiking for Fitness	1
MUS 150X4	Mixed Chorus	1
Total Units		**40-41**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Analyze the historical and contemporary social, political, and economic factors that contribute to social inequalities and injustices and articulate strategies for change.

b. Develop the critical thinking and problem-solving skills necessary to address issues of social justice and advocacy.
c. Demonstrate an understanding of the principles and practices of community organizing, including the ability to work collaboratively with individuals and groups from diverse backgrounds, and to facilitate constructive dialogue and collective action around social justice issues.

Sociology Associate in Arts for Transfer Degree

Sociology is both a scientific and humanistic discipline. Sociologists examine the systems of social action including single social acts, social relationships, organizations, institutions, communities, and societies. Through analyses of society, its groups, institutions, and processes, sociologists attempt to understand and predict human behavior. The study of sociology prepares students for further study of and careers in social work, probation, corrections, human services, law enforcement, research, public policy, law and education.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Sociology AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum “C” grade required in each course. A “C” is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Sociology should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 110	Social Problems	3
or SOCI 110H	Social Problems - Honors	
PSYC 105	Statistics for the Behavioral Sciences	4
or STAT C1000	Introduction to Statistics	
or STAT C1000H	Introduction to Statistics - Honors	
or ECON 208	Business and Economic Statistics	
List A - Two courses from the following:		
PSYC 201	Research Methods for the Behavioral Sciences	4
SOCI 130	Family Sociology	3
SOCI 145	Sociology of Gender	3
SOCI 141	Race and Ethnic Relations	3
or SOCI 141H	Race and Ethnic Relations - Honors	
or ETHS 141	Race and Ethnic Relations	
or ETHS 141H	Race and Ethnic Relations - Honors	
SOCI 135	Introduction to Crime	3
List B - One course from the following (or any course not used from List A):		
SOCI 150	Aging and the Life Course	3
SOCI 120	Medical Sociology	3

Code	Title	Units
Major Total Units		**19-20**
Total Double-Counted Units		**9**
General Education (Cal-GETC) Units		**34**
Elective Units		**15-16**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate an understanding of the sociological perspective through the analysis of social life evaluated by written or objective assessments.
b. Demonstrate an understanding of the major sociological perspectives through the analysis of social institutions evaluated by written or objective assessments.

Student Development

The Student Development (SDEV) curriculum includes courses for students with disabilities, UC Puente Project, academic and career planning strategies, and information about academic strengths as well as support and success strategies. Courses are designed to help students succeed in college, develop good study habits, learn decision-making models and obtain in-depth information on the following - Associate and Associate-transfer degrees, certificates, transfer to universities, campus resources, and preparation for employment.

Contact Information

Division: Counseling and Matriculation (AD/SS - 103)

Division Phone Number: (909) 384-4404

Division Dean: Marco Cota (mcota@sbccd.edu), M.S.

Faculty Chairs: Botra Moeung (bmoeung@sbccd.edu), Ed.D. and Jamie Salyer (jsalyer@sbccd.edu), M.S.

Counselor Liaisons: Andrea Hecht (ahecht@sbccd.edu), M.S. and Jamie S (jherrera@sbccd.edu)alyer (jsalyer@sbccd.edu), M.S.

SDEV 001 1 Unit
Orientation to College
Lecture: 18 contact hours
This class introduces students to college culture, including academic policies and procedures. To assist in a smooth transition to college, students will identify college success strategies and campus resources that will support them in making a connection to the campus, a key component to success.
Associate Degree Applicable

SDEV 102 3 Units
Pathways for College and Life Success
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This introductory course is designed for students seeking direction in setting academic and life goals. A bio-psycho-social perspective will be used to highlight the person-environment dynamics crucial to a well-rounded preparation for academic and life success. Major topics will include evaluation of personal interests, abilities and values, educational planning, goal setting, and academic success strategies.
Associate Degree Applicable
Transfers to both UC/CSU

SDEV 103 3 Units
Career Exploration and Life Planning
Lecture: 54 contact hours
Departmental Recommendation: READ 100
This course is an in-depth study in career and life planning designed for students seeking direction in setting life, academic and career goals. A holistic perspective will be used to highlight the person-environment dynamics crucial to well-rounded preparation for a fulfilling career and life-span developmental achievements. Topics will include comprehensive career research, major choices, interviewing skills, cover letter and resume writing.
Associate Degree Applicable
Transfers to both UC/CSU

SDEV 103H 3 Units
Career Exploration and Life Planning - Honors
Lecture: 54 contact hours
Prerequisite/Corequisite: ENGL C1000 or ENGL C1000H
This course is an in-depth study in career and life planning designed for students seeking direction in setting life, academic and career goals. A holistic perspective will be used to highlight the person-environment dynamics crucial to well-rounded preparation for a fulfilling career and life-span developmental achievements. Topics will include comprehensive career research, extensive reading, major choices, interviewing skills, cover letter and resume writing. This course is intended for students in the Honors Program but is open to all students who desire more challenging work.
Associate Degree Applicable
Transfers to both UC/CSU

Theatre Arts

Theatre Arts is the study of human expression, which culminates in live performance. The play is the medium used to tell a story performed by actors. Theatre Arts includes the study of the literature and related disciplines and technologies required for performances. The Theatre Arts Department coordinates several student performances each year. Courses offered by the Theatre Arts Department emphasize creativity, communication skills, and collaborative storytelling. The Department offers both a Transfer Degree in Theatre Arts and a Certificate in Design and Technical Theatre, providing basic preparation for careers in theatre or further study. Courses are designed to meet the needs of students fulfilling general education requirements and the needs of students who are pursuing theatre as a major. Students planning to transfer to a four-year institution and major in Theatre Arts or a related field should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information:

Division: Arts and Humanities (NH - 223)

Division Phone Number: (909) 384-8633

Faculty Chairs: Melinda Fogle (mfogle@sbccd.edu), Ph.D. and Jessica Gordon (jgordon@sbccd.edu), M.M.

Counselor Liaisons:

- Tahirah (Ty) Simpson (tsimpson@sbccd.edu), M.S.Ed., PPS
- Michelle Tinoco (mtinoco@sbccd.edu), M.A.

- Design and Technical Theatre Certificate of Achievement
- Theatre Arts Associate in Arts for Transfer Degree

THART 098 0.5-4 Units
Theatre Arts Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

THART 100 3 Units
Introduction to the Theatre
Lecture: 54 contact hours
This course focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles, and genres of theatre through play reading, discussion, films, and viewing and critiquing live theatre, including required attendance of theatre productions.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 111

THART 100H 3 Units
Introduction to Theatre - Honors
Lecture: 54 contact hours
This course focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles, and genres of theatre through play reading, discussion, films, and viewing and critiquing live theatre, including required attendance of theatre productions. This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 111

THART 105 3 Units
Script Analysis
Lecture: 54 contact hours
This course covers the principles, theories, and techniques of play script analysis for theatre production. Various scripts are analyzed representing different historical and cultural perspectives.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 114

THART 110 3 Units
Voice and Diction for Actors
Lecture: 54 contact hours
This course provides techniques of voice production for the actor. Theory and practice in developing vocal skills for performance such as relaxation, breathing, pitch, rate, articulation, volume, quality, characterization, and the use of dialects are included.
Associate Degree Applicable
Transfers to both UC/CSU

THART 114X4 4 Units
Rehearsal and Performance
Lab: 216 contact hours
This course provides supervised rehearsal and performance of a college musical and/or play production. It focuses on all aspects of theatre presentation, acting, and production.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 191

THART 120 3 Units
Acting Fundamentals I
Lecture: 36 contact hours
Lab: 54 contact hours
This course provides an introduction to basic acting theory and technique. Students will develop performance skills, including relaxation, interpretation of text, memorization, stage movement, and vocal production.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 151

THART 121 3 Units
Acting Fundamentals II
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: THART 120
This course follows THART 120 and provides further exploration of acting theory and technique. Emphasis is placed on the development of character through script analysis and the performance of monologues and scenes.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 152

THART 131 3 Units
Sound for Stage and Screen
Lecture: 36 contact hours
Lab: 54 contact hours
This course is an introductory course in the equipment and techniques used in theatrical and studio sound design, utilizing hands-on and computer training methods.
Associate Degree Applicable
Transfers to both UC/CSU

THART 132 3 Units
Lighting Design Fundamentals
Lecture: 36 contact hours
Lab: 54 contact hours
This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 173

THART 135 3 Units
Directing Fundamentals
Lecture: 36 contact hours
Lab: 54 contact hours
Departmental Recommendation: THART 120
This course provides an introduction to the theory, process and development of directorial skills for the stage.
Associate Degree Applicable
Transfers to both UC/CSU

THART 136 3 Units
Introduction to Theatre Design
Lecture: 54 contact hours
This course offers a survey of scenery, lighting, sound, costumes, makeup, properties, theatrical equipment, and construction techniques. Information is applicable to all theatrical applications.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 172

THART 139 3 Units
Fundamentals of Costume Design
Lecture: 36 contact hours
Lab: 54 contact hours
Students will study costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 174

THART 147 3 Units
Theatre Movement
Lecture: 36 contact hours
Lab: 54 contact hours
This course is an introduction to the theory and fundamentals of stage movement. Students will develop physical awareness, range, and clarity. The course guides student work on physical characterization for modern and period-style plays.
Associate Degree Applicable
Transfers to both UC/CSU

THART 160X4 3 Units
Technical Theatre in Production
Lab: 162 contact hours
Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 192

THART 165 3 Units
Stage Makeup
Lecture: 18 contact hours
Lab: 108 contact hours
This course is an introduction to the theory, design, and application of makeup for the stage.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: THTR 175

THART 166 3 Units
Improvisational Acting
Lecture: 36 contact hours
Lab: 54 contact hours
This is a course of instruction in the art of improvisational acting to include theatrical presentation, history of the form, dramatic structure, elements of comedy, audition and rehearsal techniques, collaboration with other performers, and interaction with the audience.
Associate Degree Applicable
Transfers to both UC/CSU

THART 167 3 Units
Advanced Improvisational Acting
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: THART 166
This course follows THART 166 and provides further exploration in the art of advanced improvisational acting. Emphasis is placed on characterization, audience interaction, and the performance of long form improvisation.
Associate Degree Applicable
Transfers to both UC/CSU

THART 222 1-3 Units
Independent Study in Theatre
DIR: 54 contact hours
Students with previous coursework in theatre may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of theatre. Prior to registration, a written contract must be prepared jointly by the instructor and the student. See instructor for details.
Associate Degree Applicable
Transfers to CSU only

THART 295AXZ 0.5-3 Units
Special Topics in Theatre
Lab: 162 contact hours
This course will cover current and relevant topics in the field of Theatre Arts. Possible topics include Musical Theatre or New Plays Workshop, Experimental Theatre, Stage Combat, Children's Theatre, Playwriting, Puppetry, The Business of Acting, and Performance Studies.
Associate Degree Applicable
Transfers to CSU only

Design and Technical Theatre Certificate of Achievement

The Design and Technical Theatre Certificate is designed to prepare students for occupational competency as a theatre technician, designer, or manager in educational, community, and resident theatre venues, as well as theme parks, television, and motion picture studios. Theatre technicians may work on set construction, theatrical carpentry, scenery, sound, lighting, costumes, makeup, props, and special effects.

Code	Title	Units
Required Courses:		
THART 100	Introduction to the Theatre	3
or THART 100H	Introduction to Theatre - Honors	
THART 120	Acting Fundamentals I	3
THART 132	Lighting Design Fundamentals	3
THART 136	Introduction to Theatre Design	3
THART 139	Fundamentals of Costume Design	3
THART 160X4	Technical Theatre in Production	3
THART 165	Stage Makeup	3
Total Units		**21**

Code	Title	Units
Recommended Courses:		
THART 131	Sound for Stage and Screen	3
THART 135	Directing Fundamentals	3

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Define and distinguish between commonly used theatrical terms applied to design and the technical elements of theatre production.
b. Demonstrate and use basic skills in creating and organizing a design project from concept to execution.
c. Demonstrate proficiency in the skills required for a technical theatre crew.
d. Analyze a play script to create a costume design concept.
e. Use makeup to interpret an author's characterization.
f. Identify, define, and describe terminology commonly associated with theatrical lighting design and execution.

Theatre Arts Associate in Arts for Transfer Degree

The Associate of Arts for Transfer (AA-T) in Theatre Arts develops a well-rounded theatre artist. This degree provides students with transfer preparation and pre-professional training. The AA-T in Theatre Arts emphasizes the hands-on, collaborative experience of theatrical production, building students' skills in performance and technical theatre. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Associate in Arts for Transfer (AA-T) degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn this Theatre Arts AA-T degree, students must meet the following requirements:

- Completion of the following major requirements with a minimum grade of "C" (or "P").
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC), which requires a minimum of 34 units; and
- Completion of a minimum 60 Cal-GETC transferrable semester units with a minimum "C" grade required in each course. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale.

Students planning on transferring to a four-year institution and major in Theatre Arts should consult with a counselor regarding the transfer process and lower division requirements.

Code	Title	Units
Required Courses:		
THART 100	Introduction to the Theatre	3
or THART 100H	Introduction to Theatre - Honors	
THART 120	Acting Fundamentals I	3
THART 114X4	Rehearsal and Performance	3-4
or THART 160X	Technical Theatre in Production	
List A - Three courses from the following:		
THART 105	Script Analysis	3
THART 121	Acting Fundamentals II	3
THART 132	Lighting Design Fundamentals	3
THART 136	Introduction to Theatre Design	3
THART 139	Fundamentals of Costume Design	3
THART 165	Stage Makeup	3
THART 114X4	Rehearsal and Performance	3-4
or THART 160X	Technical Theatre in Production	

Code	Title	Units
Major Total Units		**18-19**
Total Double-Counted Units		**3**
General Education (Cal-GETC) Units		**34**
Elective Units		**10-11**
Total Units		**60**

See Section on Degree, Certificate, and Transfer Information for additional information on the Associate Degrees for Transfer.

To earn an SBVC Associate Degree for Transfer (AA-T or AS-T) students must complete the following General Education (GE) pattern:

- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Assess the historical, social, artistic, and philosophical relevance of theatre.
b. Evaluate and analyze a script for rehearsal and performance.
c. Demonstrate basic skills and apply a basic craft of acting in performance.
d. Analyze a script to create a design concept.
e. Create a design from a design concept.

Vocational Education

These noncredit workforce readiness courses and certificates are designed to prepare students to be successful in the workforce. Additionally, they are intended as a pathway to credit courses and certificates for students who have not previously considered college an option. Students enrolling in SBVC's Vocational Education courses will develop skills needed to find and keep a job while gaining confidence in their ability to learn in a college environment.

Contact Information:

Division: Instructional Support Services

Division Phone Number: (909) 384-8649

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chairs: Maria Notarangelo (mnotarangelo@sbccd.edu), M.A., M.L.I.S.

Counselor Liaison:

- Rema Ghazaleh (rghazaleh@sbccd.edu), M.A.Ed., P.P.S.
- Evelyn Luna (eluna@sbccd.edu), M.A.

- Job Readiness Skills Certificate of Completion
- Workforce Literacy Skills Certificate of Completion

VOCED 600 Noncredit
Introduction to the Workplace
Lecture: 18 contact hours
This noncredit course is designed to provide students with the skills to identify and develop tools for success in the workplace. The topics covered include, but are not limited to, career-discovery, job market analysis, workplace skills, workplace law, workplace and personal finances, and time management.

VOCED 601 Noncredit
Customer Service in the Workplace
Lecture: 18 contact hours
This noncredit course is designed to provide students with the customer service skills required to interact with customers or clients in the workplace. The topics covered include understanding customer needs, listening to customers, and telephone customer service.

VOCED 602 Noncredit
Job Search Strategies
Lecture: 9 contact hours
This noncredit course is designed to provide prospective employees with a support system that will assist them in preparation for the workforce. The topics covered but are not limited to planning their job search, utilizing outside resources, the hidden job market, and job market research. After completing this course, the student has an option to continue their education or become gainfully employed.

VOCED 603 Noncredit
Positive Strategies for the New Employee
Lecture: 9 contact hours
This noncredit course is designed to provide students with the knowledge to increase their level of customer services and colleague relations. The topics covered will include new employee skills, workplace culture, continuing education, and work-life balance.

VOCED 631 Noncredit
Fundamentals of Business English
Lecture: 36 contact hours
This noncredit course is a review of effective business communication in the workplace. Emphasis is placed on basic grammar, punctuation, capitalization, vocabulary, and spelling in common business documents.

Job Readiness Skills Certificate of Completion

This noncredit Job Readiness Skills Certificate prepares students to enter the workforce through career exploration, resume development, and interview skills. The certificate includes training for the newly employed including time management, reading paychecks, office etiquette, and customer service skills.

Code	Title	Units
Required Courses:		
VOCED 600	Introduction to the Workplace	0
VOCED 601	Customer Service in the Workplace	0
VOCED 602	Job Search Strategies	0
VOCED 603	Positive Strategies for the New Employee	0
Total Hours		**48-54**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Use proper, effective communication with employers, co-workers, and customers.
b. Develop an effective resume that matches a job description.
c. Prepare for an employment interview, including developing responses, describing experience, and dressing for success.
d. Deliver excellent customer service.

Workforce Literacy Skills Certificate of Completion

This noncredit certificate is designed to prepare students for entry into the work force by; researching careers, developing a resume and learning interview skills.

Code	Title	Units
Required Courses:		
CIT 601	Introduction to Basic Computer Skills	0
MATH 601	Independent Lab for Fundamental Mathematical Skills	0
VOCED 600	Introduction to the Workplace	0
VOCED 601	Customer Service in the Workplace	0
VOCED 602	Job Search Strategies	0
VOCED 603	Positive Strategies for the New Employee	0
VOCED 631	Fundamentals of Business English	0
Total Hours		**194-297**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Use proper, effective communication with employers, co-workers, and customers.
b. Develop an effective resume that matches a job description.
c. Prepare for an employment interview, including developing responses, describing experience, and dressing for success.
d. Deliver excellent customer service.

Water Supply Technology

The Water Supply Technology Program is designed to serve students who are employed or interested in employment in water/wastewater occupations. The program provides technical classes in water distribution, water treatment, wastewater collection, and wastewater treatment. The courses prepare students to upgrade their skills and/or prepare them for licensing examinations and certifications from the California Department of Public Health, the California State Water Resource Control Board, the American Water Works Association, and the California Water Environment Association.

The certificate programs are designed to prepare students for entry-level jobs in water treatment, water distribution, and wastewater reclamation industries. The associate of science degree graduates often work in city, county, or state agencies in positions such as plant operator, engineering technician, surface water manager, environmental laboratory coordinator, and industrial pre-treatment coordinator.

Contact Information:

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chair: Melita Caldwell-Betties (mcaldwell@sbccd.edu), M.P.A.

Counselor Liaisons:

- Ryan Hogan (rhogan@sbccd.edu), M.A.
- Dominique Johnson (dojohnson@sbccd.edu), M.A., P.P.S.
- Erica Begg (ebegg@sbccd.edu), M.S.

- Basic Waterworks Certificate of Completion
- Wastewater Technology Certificate of Completion
- Water Resources Management Bachelor of Science Degree
- Water Supply Technology Certificate of Achievement
- Water Technology Associate of Science Degree
- Water Use Specialist Certificate of Completion

Water Resources Management

WRM 301 3 Units
California Water History
Lecture: 54 contact hours
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course provides water technology students with a practical study of the history of water resources management, focusing on regulatory and reliability requirements that meet diverse customer, public health, ecological, and economic needs. Key topics include wetlands, dams, aqueducts, and the impact of land ownership on urban and rural communities in California. A strong emphasis will be placed on diversity, equity, and inclusion, ensuring that the perspectives of various communities are represented and valued in discussions about water resources. Current water industry best practices, relevant case studies, and the politics of water will be discussed and demonstrated throughout the course. Additionally, new and emerging technologies will be examined for producing fit for purpose water, highlighting innovative solutions that promote equitable access and sustainability for all communities. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 302 3 Units
Introduction to Water Resources Management
Lecture: 54 contact hours
Prerequisite: WRM 301
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course offers an overview of water resources management principles, focusing on sustainable use, ethical considerations, and the intersection of policy and economics. It examines California's water resources through the lens of diversity, equity, and inclusion, addressing how water usage impacts marginalized communities. Key topics include water quality, pollution, regulations affecting public drinking water, watershed management, and hydrology. The course also explores alternative water sources and conservation methods that promote sustainability and social justice. By emphasizing diverse voices, students will gain the knowledge and skills to advocate for inclusive solutions in water resources management. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 310 3 Units
Applied and Professional Ethics in the Water Sector
Lecture: 54 contact hours
Prerequisite: WRM 302
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course examines the intersection of effective leadership and ethical decision-making in the water utility sector, with a focus on diversity, equity, inclusion, and anti-racism. Students will explore transformative leadership qualities and the challenges of fostering equitable community engagement. The course emphasizes proactive engagement with diverse stakeholders, recognizing the importance of inclusive dialogue in addressing ethical complexities in water management. Through the analysis of real-world dilemmas, students will develop analytical skills, and a values framework centered on justice and sustainability. By the end of the course, participants will be equipped to navigate the ethical landscape of the water sector, advocate for marginalized voices, and implement solutions that promote social responsibility and equity. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 315 3 Units
Technology and Public Administration
Lecture: 54 contact hours
Prerequisite: WRM 302
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course explores managerial aspects of technology in relation to Information security and governance focused on WRM, and diversity, equity, and inclusion. Students will examine the challenges of IT and operational technology (OT) networks, particularly under the legal framework of America's Water Infrastructure Act (AWIA), and learn to identify vulnerabilities, plan cybersecurity policies, and assess risks related to water quantity, quality, regulations, and public trust. The course also emphasizes the role of cybersecurity in protecting data, safeguarding infrastructure, and ensuring equitable access to reliable water services. Students will develop formal cybersecurity policies, acceptable use policies for sustainable water resources management, and security awareness training tailored to water utility organizations. By integrating principles of anti-racism, students will analyze the intersection of water policy, technology, and environmental indicators to promote equitable outcomes and inclusive practices in water resources management. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 320 3 Units
Strategic Planning in the Water Sector
Lecture: 54 contact hours
Prerequisite: WRM 302
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
In this course, students will examine how water agencies establish strategic goals and objectives to effectively manage a diverse array of business risks. This includes understanding interdependence with other services and utilities, as well as addressing legal, regulatory, financial, environmental, and safety considerations in alignment with industry trends and system reliability targets. Emphasizing principles of diversity, equity, inclusion, and anti-racism, students will analyze how these factors influence water resources management and access for marginalized communities. They will also develop inclusive plans to address potential water resource variability, such as shifting weather patterns and extreme events like droughts and floods. Through this process, students will engage in long-term integrated water management strategies that prioritize the equitable distribution of water resources to meet the needs of current and future customers, communities, and society as a whole. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 325 3 Units
Water Resources Economics
Lecture: 54 contact hours
Prerequisite: ECON C2001 or ECON C2001H or ECON C2002 or ECON C2002H and WRM 302
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resource Management.
This course provides an inclusive introduction to economic theory, focusing on microeconomic and macroeconomic principles related to water resource management. Students will explore theoretical frameworks that highlight access constraints for diverse communities and examine how energy extraction, production, and climate change disproportionately affect marginalized populations and endangered species, emphasizing the link between environmental justice and economic policy. Students will also apply economic valuation techniques and impact assessments that prioritize equity and sustainability. By analyzing various frameworks, they will learn to evaluate the social and environmental implications of water management decisions, enhancing their ability to advocate for fair access to resources and promote sustainable practices. Incorporating diverse perspectives and anti-racist frameworks, the course aims to equip students with the tools to develop equitable planning and development strategies that address societal and environmental challenges in water resource management. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 330 3 Units
Water Law
Lecture: 54 contact hours
Departmental Recommendation: WRM 301
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course provides a comprehensive overview of water law in the United States, examining the legal frameworks surrounding water ownership, rights, and management. Students will explore historical and contemporary conflicts involving American Indian tribes and state governments, focusing on groundwater-surface water interactions. Key topics include the evolution of water rights, the Public Trust Doctrine, and landmark cases such as Irwin v. Phillips and Arizona v. California. The course addresses issues of water scarcity, management strategies, and the impact of environmental laws like the Endangered Species Act. Through case studies and legal analysis, students will develop critical thinking skills and gain a thorough understanding of the legal, economic, and environmental aspects of water resources management, preparing them for careers in law, policy, and environment. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 335 3 Units
Tribal Water Rights
Lecture: 54 contact hours
Departmental Recommendation: WRM 330
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course provides an in-depth examination of the regulatory frameworks governing tribal water rights, focusing on the interplay between tribal, federal, state, and regional authorities in relation to the development of tribal lands as established by statutes and treaties. Students will investigate the philosophical foundations of water rights, alongside significant case law pertaining to water rights litigation, to enhance negotiations for tribal water rights. Special emphasis will be placed on understanding the federal-tribal trust relationship and the doctrine of reserved rights in the context of water. Additionally, the course will address the engineering and economic factors essential for effective water delivery systems. Through this comprehensive approach, students will gain a nuanced understanding of the complexities surrounding tribal water rights. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 340 3 Units
International Environmental Policy
Lecture: 54 contact hours
Prerequisite: WRM 302
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course examines the relationship between global environmental issues and international governance. Students will explore the concept of the global environment, including international commons like air, sea, and outer space, as well as the cultural and historical contexts of environmental challenges. Key topics include evaluating global environmental threats, responses to these issues, and the legal frameworks governing environmental policy. Students will analyze the roles of various actors, such as governments, non-governmental organizations (NGOs), multinational corporations, and the United Nations Environmental Program. The course will focus on cooperation under scarcity, particularly regarding water rights and climate change, and the core values of environmental policy, including climate protection and biodiversity preservation. Additionally, students will study the effectiveness of international law in environmental matters, including principles, treaties, and enforcement challenges. The course will culminate in discussions on future global environmental strategies and compliance mechanisms. Finally, students will be well-prepared to address the complexities of international environmental policy in various professional contexts. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 401 3 Units
Managing Public Organizations in the Water Sector
Lecture: 54 contact hours
Prerequisite: WRM 302 and WRM 315
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course centers on the management of public organizations in the water sector. Students will examine the legal constraints, political processes, and intergovernmental arrangements that shape water resources policies, with a strong focus on promoting justice for marginalized communities. Key topics include theoretical foundations and practical techniques for program evaluation, such as needs assessments, outcome evaluations, surveys, and impact evaluations. The course will emphasize strategic interventions that drive equitable change and improve the design and implementation of programs that effectively serve all communities. Additionally, students will learn the importance of inclusive stakeholder engagement, ensuring that diverse voices are considered in water resources management. Ultimately, this course aims to equip future leaders with the skills and perspectives necessary to develop equitable water management solutions that address the needs of all citizens. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 402 3 Units
Water Resources Management and the Public Policy Process
Lecture: 54 contact hours
Prerequisite: WRM 302 and WRM 330
Departmental Recommendation: WRM 310
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course provides students with a comprehensive understanding of the public trust framework and the policy processes involved in developing and analyzing a diverse range of water policy issues. Students will critically examine the public policy process from multiple theoretical and practical perspectives, emphasizing the importance of diversity, equity, inclusion, and anti-racism in water infrastructure management. Students will differentiate between technical, legal, and financial policy types essential for managing water-related projects. Key topics will include policy development, organizational theory and behavior, and stakeholder relations, with a strong focus on how these elements can be leveraged to promote equitable access to water resources. Discussions will also cover challenges related to reservoirs, reuse, disposal operations, and the needs of marginalized communities, preparing students to advocate for inclusive and sustainable water management solutions. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 420 3 Units
Human Resources Administration in the Water Sector
Lecture: 54 contact hours
Prerequisite: WRM 401
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course explores human resource policy and practices within the water sector, focusing on the principles of personnel administration while emphasizing the importance of diversity, equity, inclusion, and anti-racism. Students will engage with traditional aspects of human resource management, including recruitment, job classification, evaluation, and compensation, while also addressing contemporary topics such as workforce diversity, equitable staffing practices, drug abuse, whistleblowing, sexual discrimination, and other critical issues. Our exploration will include analyzing behavioral and societal determinants that impact human resources in the water sector, such as demographics, economic factors, community sustainability, and the mandates of water service purveyors. We will critically examine how government regulations and policies can promote or hinder equitable practices and ensure inclusive environments that support all employees and communities served. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 430 3 Units
Water Sector Leadership and Diversity
Lecture: 54 contact hours
Prerequisite: WRM 302 and WRM 420
Departmental Recommendation: WRM 310
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course explores leadership dynamics within the water sector, focusing on ethical practices, organizational change, and diversity. Students will examine moral leadership challenges, various leadership styles, and strategies for developing effective leadership skills that promote ethical decision-making. Key topics include managing organizational change, fostering a learning-oriented culture, and understanding the socio-technical issues that influence growth. The course emphasizes actionable diversity goals, unconscious bias, and the economic benefits of inclusion. Students will evaluate organizational policies to identify toxic cultures and develop strategies for a healthy workplace. The course concludes with techniques for engaging underrepresented groups in diversity recruiting and creating an inclusive employer brand. By the end, students will be equipped to lead with moral courage and implement effective diversity initiatives, enhancing their impact in the water sector. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 440 3 Units
Collective Bargaining and Labor Relations
Lecture: 54 contact hours
Prerequisite: WRM 302 and WRM 420
Departmental Recommendation: WRM 330
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course explores the intricate dynamics of organizational leadership and union relations within the public water sector, emphasizing diversity, equity, inclusion, and anti-racism. Students will conduct a comprehensive analysis of labor law, union structures, and organizing practices, delving into collective bargaining processes such as work rules, legislative statutes, adjudication, mediation, and arbitration. Key topics will highlight the critical role of diverse voices in labor movements and the importance of equitable representation in union leadership. The course will also examine the evolving landscape of labor laws, shaped by court decisions, National Labor Relations Board (NLRB) rulings, and the changing nature of union-management relations. Special attention will be paid to how these developments affect diverse groups within the workforce, enhancing understanding of the intersections of race, gender, and socioeconomic status in labor-related issues. Ultimately, this course aims to prepare future leaders in the water sector to advocate for social justice and embody anti-racist principles in their leadership and union practices. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 460 3 Units
Water Resources Budgeting and Financial Management
Lecture: 54 contact hours
Prerequisite: WRM 310 and WRM 401
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course offers a focused exploration of governmental budgeting concepts and practices at national, state, and local levels, emphasizing diversity, equity, inclusion, and anti-racism within the water sector. Students will develop essential technical skills while examining the interconnections between planning, programming, and budgeting strategies. Key topics include creating capital improvement plans that prioritize diverse community needs, administering grant programs that equitably distribute resources, and conducting water audits to reduce unaccounted water loss in underserved areas. The course also covers strategies for negotiating fair water rates, analyzing operations and maintenance expenditures to ensure reliable service for all, and exploring ethical debt management practices that engage diverse stakeholders. Finally, students will learn about the municipal bond market and how to issue debt that supports equitable infrastructure development. By integrating these elements, the course prepares students to be responsible leaders in the water sector, committed to fostering equity and sustainability in capital budgeting and debt management. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 495 3 Units
Research Methods in Water Resources Management
Lecture: 54 contact hours
Prerequisite: ENGL 300 and WRM 460
Departmental Recommendation: GIS 400
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
This course examines scientific research and modern water resources management through the lens of diversity, equity, inclusiveness, and anti-racism. Students will explore methodologies, field research, ethics, academic writing, and public presentation while addressing challenges faced by diverse communities. The course develops skills in applying organizational theories, navigating intergovernmental relations, and interpreting policies through an anti-racist framework. Students will analyze water policy issues, consider solutions to systemic inequalities, and address socio-economic impacts on underrepresented populations. Emphasizing sustainable and equitable water resources management, the course prepares students to advocate for just practices that serve the diverse needs of society. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 498 3 Units
Internship in Water Resources Management
WRKEX: 162 contact hours
Prerequisite: ENGL 300 and WRM 401 and WRM 420 and WRM 460
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
The Internship in Water Resources Management provides students with practical placements in water-related non-profit organizations and governmental agencies, allowing them to apply theoretical concepts from their courses while developing skills in organizational leadership and integrated water resources management. Students will learn to navigate intergovernmental relations, interpret policies, analyze water issues, and explore fiscal management within real-world public service contexts, all under faculty supervision. During the internship, students will enhance their cultural competence by engaging with diverse colleagues and clients, analyzing equity and inclusion issues, and recommending strategies for creating inclusive environments. They will assess instances of systemic racism and propose actionable strategies to promote anti-racist practices. Collaborating with peers and supervisors, students will improve their teamwork skills and work toward common goals in the water sector. They will document their experiences in a formal report, reflecting on how diversity, equity, and inclusion principles have influenced their professional growth. By building professional networks and applying critical thinking, students will tackle challenges related to diversity and equity in water management, preparing them to be informed and responsible leaders in the field. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 499A 3 Units
Applied Research (Capstone) Project in Water Resources Management
DIR: 162 contact hours
Prerequisite: ENGL 300 and WRM 401 and WRM 460
Departmental Recommendation: GIS 400
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management.
The Integrated Capstone in Water Resources Management empowers students to synthesize knowledge from core and concentration courses while developing skills in organizational leadership and integrated water resources management. Students learn to navigate intergovernmental relations, interpret policies, analyze water issues, and explore fiscal management within the water sector. Emphasizing professionalism, ethical practices, and the importance of diversity, equity, inclusion, and anti-racism, the course engages students in projects that highlight policy and planning processes. They will develop critical thinking skills to enhance social justice and environmental equity. The capstone culminates in original applied research addressing real-world water management issues. Students choose research topics that reflect their interests and a commitment to equity for historically marginalized communities. This course offers a comprehensive experience, allowing students to demonstrate mastery of program outcomes through an original field-based project. (Bachelor Degree Applicable)
Transfers to CSU only

WRM 499B 3 Units
Comprehensive Written Exam in Water Resources Management
Lecture: 54 contact hours
Prerequisite: ENGL 300 and STAT 300 and WRM 301 and WRM 302 and WRM 310 and WRM 401 and WRM 402 and WRM 420 and WRM 460 and WRM 495
Limitation on Enrollment: Associate degree in Water Technology or an equivalent field along with acceptance into the Bachelor of Science program in Water Resources Management and department consent.
This course challenges students to critically reflect on their learning and experiences in water resources management. It encourages them to synthesize and integrate their knowledge, skills, and insights across key topics in the discipline, rather than focusing solely on specific course deliverables. The course revisits foundational concepts, principles, and essential knowledge from the program's coursework. Key topics include organizational leadership, integrated water resources management, intergovernmental relations, fiscal management in the water sector, water policy and planning processes, and the promotion of social justice and environmental equity. This reflective approach aims to deepen students' overall understanding of water resources management, fostering a holistic perspective on the field. The course culminates in a comprehensive written examination that assesses students' mastery of core coursework and their ability to apply their knowledge in real-world contexts. Advancement to candidacy for examination (completion of all core courses and concentration areas requirements) and consent of instructor. (Bachelor Degree Applicable)
Transfers to CSU only

Water Supply Technology

WST 098 0.5-4 Units
Water Supply Technology Work Experience
WRKEX: 216 contact hours
Prerequisite: WST 110 or WST 111 or WST 130 or WST 150
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

WST 100 3 Units
Water Technology Math
Lecture: 54 contact hours
This vocational math course is designed for students enrolled in water technology programs, combining essential math applications with technical skills for water and wastewater operators. Students will solve real-world problems in water management while exploring how equitable and sustainable solutions can address systemic disparities in water access and quality. Emphasizing diversity, equity, and inclusion, the course integrates technical training with discussions on social justice and anti-racism in water systems. Students will leave with the math, technical, and critical thinking skills needed to promote equity and sustainability in their future careers. (Formerly WST 052)
Associate Degree Applicable
Transfers to CSU only

WST 101 3 Units
Wastewater Technology Math
Lecture: 54 contact hours
This vocational math course is designed for students in wastewater treatment programs, focusing on the technical and applied math skills essential for success as operators. Students will engage with mathematical concepts that address challenges in primary, secondary, and tertiary treatment, including calculations for flow rates, chemical dosages, and system efficiencies. Through practical applications and problem-solving exercises, students will develop proficiency in the techniques necessary for effective management in the wastewater industry. The course also emphasizes the environmental and social implications of wastewater practices, fostering a collaborative learning environment that values diverse perspectives. By the end of the course, students will be well-equipped to tackle the complexities of wastewater management while contributing to sustainable and equitable practices. (Formerly WST 053)
Associate Degree Applicable
Transfers to CSU only

WST 110 3 Units
Wastewater Treatment I
Lecture: 54 contact hours
Departmental Recommendation: WST 101
This course provides a comprehensive introduction to wastewater treatment, highlighting the significance of diversity, equity, and inclusion in environmental management. Students will explore the scope, methods, and limitations of wastewater treatment processes. Designed for individuals from all backgrounds—whether seeking employment or currently in the field—the course covers essential knowledge for achieving competency as a Grade I or Grade II Wastewater Treatment Plant Operator, as defined by the State Water Resources Control Board (SWRCB). It also addresses how systemic inequalities affect access to clean water and sanitation. Students will gain technical expertise while understanding the role of inclusive practices in fostering effective environmental solutions. (Formerly WST 091)
Associate Degree Applicable
Transfers to CSU only

WST 111 3 Units
Wastewater Collection I
Lecture: 54 contact hours
Departmental Recommendation: WST 101
This course is designed to train operators in the practical aspects of operating and maintaining wastewater collection systems, with a strong emphasis on safe practices and procedures. Students will acquire the technical skills necessary for the essential duties of an entry-level collection system maintenance technologist, including system monitoring, troubleshooting, and maintenance techniques. In addition to technical training, the course integrates principles of diversity, equity, inclusion, and anti-racism. Students will explore how these concepts impact wastewater management practices and community access to services. Discussions will focus on the importance of cultural competence and the role of wastewater professionals in advocating for equitable solutions in diverse communities. By the end of the course, students will be well-prepared to take the California Water Environment Association (CWEA) Collection System Certification exam at the Grade I level, equipped with both the technical knowledge and the awareness needed to foster inclusive practices in their future careers.(Formerly WST 081)
Associate Degree Applicable
Transfers to CSU only

WST 120 3 Units
Wastewater Treatment II
Lecture: 54 contact hours
Prerequisite: WST 110
Departmental Recommendation: WST 101
This advanced course in wastewater treatment focuses on essential methods and technologies for secondary and advanced treatment processes, solids handling, disinfection, and wastewater reclamation. Students will develop the technical skills necessary for effective operation and management in the wastewater field, preparing them for roles as Wastewater Treatment Plant Operators. The curriculum includes collaborative readings, discussions, analytical assessments, and hands-on laboratory studies to enhance technical proficiency while meeting the California State Water Resources Control Board requirements for a minimally competent Wastewater Treatment Plant Operator Grade III or above. Additionally, the course encourages students to consider the social implications of wastewater management, emphasizing equitable access to clean water for all communities. This dual focus on technical expertise and ethical responsibility equips students to be effective professionals committed to sustainable and equitable water management practices. (Formerly WST 092)
Associate Degree Applicable
Transfers to CSU only

WST 121 3 Units
Wastewater Collection II
Lecture: 54 contact hours
Prerequisite: WST 111
This course provides a thorough examination of wastewater collection systems, focusing on their operation and maintenance. Students will explore the technical and practical aspects of these systems, learning how they function and their vital role in public health and environmental sustainability. As students develop the essential skills needed to become proficient collection system maintenance technologists, the course will emphasize the importance of diverse perspectives in addressing the complex challenges of wastewater management. Discussions will cover how systemic inequalities affect different communities and how inclusive practices can lead to more equitable solutions in environmental management. Additionally, the course prepares students for the California Water Environment Association (CWEA) Collection System Certification exam at Grade II or above. By the end of the course, students will have the technical skills required for success in the field, along with a commitment to promoting equity and inclusion in the environmental sector, contributing to a more just and sustainable future for all communities. (Formerly WST 082)
Associate Degree Applicable
Transfers to CSU only

WST 130 3 Units
Water Distribution Operator I
Lecture: 54 contact hours
This course provides a comprehensive overview of the configuration, operation, and maintenance of water distribution systems. Students will also delve into the Expected Range of Knowledge (ERK) necessary for the State Water Resource Control Board (SWRCB) water distribution certification examinations at the D1 and D2 levels. Successful completion of this course equips students with the requisite skills and knowledge to meet the specialized training requirements essential for the SWRCB D2 certification test. Through a blend of theoretical learning and practical applications, students will gain a deep understanding of the fundamental principles of water supply, preparing them for a successful career in water distribution management. (Formerly WST 061)
Associate Degree Applicable
Transfers to CSU only

WST 131 3 Units
Water Use Efficiency Practitioner I
Lecture: 54 contact hours
This introductory course on water conservation is designed for students from diverse backgrounds who aspire to become effective water use efficiency practitioners. Recognizing the critical importance of sustainable water management in an increasingly diverse society, this course emphasizes the need for inclusive practices that address the unique challenges faced by various communities. Throughout the course, students will explore foundational concepts of water use efficiency, including the principles and practices necessary for achieving the American Water Works Association (AWWA) Water Use Efficiency Practitioner I Certificate. In addition, we will examine how social equity, environmental justice, and anti-racism intersect with water resource management. Students will engage in discussions and projects that highlight the disparities in water access and quality among different demographic groups, fostering a deeper understanding of the role that practitioners play in promoting equitable water solutions. (Formerly WST 031)
Associate Degree Applicable
Transfers to CSU only

WST 137 3 Units
Environmental Laws and Regulations
Lecture: 54 contact hours
This course offers a comprehensive overview of federal, state, and local laws and regulations focused on environmental protection and pollution prevention, emphasizing the importance of diversity, equity, inclusion, and anti-racism. Students will explore how political, economic, scientific, and health factors shape regulatory policies aimed at safeguarding water resources, with particular attention to the impact these policies have on historically marginalized communities. The course will examine environmental monitoring standards, regulatory agencies, and inter-agency relationships, highlighting how these frameworks can perpetuate or challenge systemic inequities. Through critical analysis and discussion, students will gain insights into the necessity of inclusive and equitable approaches in environmental governance, preparing them to advocate for policies that benefit all communities. This course offers a comprehensive examination of federal, state, and local laws and regulations focused on environmental protection and pollution prevention. Recognizing the interconnectedness of politics, economics, science, health, and social justice, the course critically analyzes how these elements influence regulatory policies designed to safeguard and protect water resources. Through a lens of diversity, equity, inclusion, and anti-racism, students will explore environmental monitoring standards, regulatory agencies, and inter-agency relationships, emphasizing the importance of equitable environmental practices that serve all communities, especially those historically marginalized. (Formerly WST 037)
Associate Degree Applicable
Transfers to CSU only

WST 140 3 Units
Water Distribution Operator II
Lecture: 54 contact hours
Prerequisite: WST 130
This advanced course prepares students for journeyman-level operations in water distribution, focusing on the Expected Range of Knowledge (ERK) for the California State Water Resources Control Board (SWRCB) examinations for Water Distribution Operator IV (D4) and V (D5) certifications. Incorporating principles of diversity, equity, inclusion, and anti-racism, the curriculum addresses how systemic inequities affect water access and quality. Students will learn to advocate for inclusive practices within the industry. Successful completion fulfills the specialized training requirements for SWRCB Water Treatment Operator III (T3) and Water Distribution Operator IV (D4) certifications, equipping students to lead with a commitment to social responsibility in their careers.(Formerly WST 062)
Associate Degree Applicable
Transfers to CSU only

WST 145 3 Units
Backflow Prevention Devices
Lecture: 45 contact hours
Lab: 27 contact hours
This course provides essential instruction in the theory, testing, and maintenance of backflow prevention assemblies for journeyman plumbers and utility operators. Students will master technical skills while examining the critical role these devices play in protecting public health and water quality, especially in diverse and underserved communities. The curriculum emphasizes inclusive practices in backflow prevention, highlighting that equitable access to safe drinking water is a fundamental human right. Students will learn to identify cross-connection threats and understand their implications for various populations, addressing systemic inequities in water safety. Participants will also prepare for the American Water Works Association Backflow Prevention Certification test, ensuring they are technically proficient and informed advocates for diversity, equity, and inclusion in their field. By the end of the course, students will be ready to implement backflow prevention measures that promote safety and social justice within the water industry. (Formerly WST 045)
Associate Degree Applicable
Transfers to CSU only

WST 148 3 Units
Cross-Connection Control
Lecture: 54 contact hours
Prerequisite: WST 145
This course explores the essential administrative and technical procedures for establishing effective cross-connection control programs, emphasizing diversity, equity, inclusion, and anti-racism. Students will analyze the significance of equitable access to safe water, particularly for marginalized communities disproportionately affected by water quality issues. The course includes a review of local, state, and federal regulations, alongside an examination of historical inequities impacting water safety. Students will identify and analyze backflow prevention devices necessary for mitigating contamination risks. Additionally, participants will develop skills to advocate for inclusive practices in cross-connection control, ensuring all community members are informed and protected. By the end of the course, students will be prepared to achieve certification as cross-connection control program specialists, armed with both technical expertise and a commitment to equitable water management. (Formerly WST 048)
Associate Degree Applicable
Transfers to CSU only

WST 150 3 Units
Water Treatment I
Lecture: 54 contact hours
Departmental Recommendation: WST 110
This comprehensive introductory course is designed for students interested in the vital and dynamic field of water treatment, with a strong emphasis on environmental stewardship. As we navigate the complexities of water treatment processes, students will gain a thorough understanding of how to transform source water into safe, potable water while critically examining the social and environmental contexts that shape water access and quality across different communities. The course covers the essential processes required for effective water treatment, including filtration, disinfection, as well as the regulatory frameworks that govern these practices. Central to this course is the Expected Range of Knowledge (ERK) required to successfully pass the California State Water Resource Control Board (SWRCB) examination for Water Treatment Operator I (T1) and Water Treatment Operator II (T2) levels. Students will engage in hands-on learning experiences and case studies that not only reinforce technical skills but also highlight the importance of culturally responsive practices in water management. Successful completion of this course will fulfill the requirements for the specialized training necessary to apply for the SWRCB T2 certification test, empowering students to become change-makers in the field of water treatment and beyond. (Formerly WST 071)
Associate Degree Applicable
Transfers to CSU only

WST 160 3 Units
Water Treatment II
Lecture: 54 contact hours
Prerequisite: WST 150
Departmental Recommendation: WST 110
This advanced course prepares students for journeyman-level operations in water treatment, highlighting the significance of diversity, equity, inclusion, and anti-racism in environmental stewardship. Students will cover the Expected Range of Knowledge (ERK) needed to pass the State Water Resources Control Board (SWRCB) examinations for Water Treatment Operator III (T3) and Water Treatment Operator IV (T4) levels. The course promotes an inclusive learning environment, encouraging discussions on the social and environmental justice aspects of water treatment and the importance of equitable access to clean water. Upon completion, students will fulfill the requirements for specialized training in water supply principles and gain the skills to advocate for sustainable water management, preparing them to apply for the State Water Resources Control Board (SWRCB) Water Treatment Operator III (T3) and Water Distribution Operator III (D3) examinations, and positively impact their communities. (Formerly WST 072)
Associate Degree Applicable
Transfers to CSU only

WST 186 3 Units
Electrical Instrumentation for Water and Wastewater Operations
Lecture: 54 contact hours
Departmental Recommendation: WST 110 and WST 150
This course addresses the essential electrical instrumentation needs of the water and wastewater industry, focusing on remote monitoring and inclusive practices. Students will learn about electronic, electrical, and control systems for measuring pressure, temperature, level, and flow, while developing skills in sensors, measurement techniques, data analysis, and troubleshooting. The course will also examine electrical safety, process and instrumentation diagrams (P&ID), and automation tools, highlighting their role in promoting equitable access to clean water. By fostering an understanding of these concepts within diverse contexts, students will be prepared to optimize operations and advocate for sustainable practices in the industry. Graduates will enhance their value and versatility in the job market while contributing positively to all communities. (Formerly WST 086)
Associate Degree Applicable
Transfers to CSU only

WST 188 3 Units
Pumps and Motors
Lecture: 54 contact hours
Departmental Recommendation: WST 100 or WST 101
This course is designed to engage students with the fundamental principles of mechanical equipment, specifically pumps and motors, while incorporating the technical skills essential for maintenance personnel in water operations. Through a lens of diversity, equity, and inclusion, we will explore the installation, operation, maintenance, and repair of mechanical systems, emphasizing the importance of diverse perspectives in engineering practices. Students will gain a comprehensive understanding of preventive, predictive, and proactive maintenance techniques critical to water operations, including equipment monitoring, lubrication analysis, machine alignment, balancing, and scheduled periodic maintenance and overhaul. We will examine how diverse teams and inclusive practices lead to innovative solutions and enhanced safety standards in mechanical maintenance, particularly in the context of water systems. By fostering an environment where all voices are valued, this course aims to prepare students to excel in both technical skills and their understanding of equity and anti-racism in the engineering field. We will encourage a collaborative approach to problem-solving that respects and uplifts all individuals, recognizing the vital role that diverse perspectives play in advancing the effectiveness and sustainability of water operations. (Formerly WST 088)
Associate Degree Applicable
Transfers to CSU only

WST 235 3 Units
Advanced Water Treatment Operator
Lecture: 54 contact hours
Prerequisite: WST 120 and WST 160
This course provides an inclusive overview of the Advanced Water Treatment Operator (AWTO) role in California, emphasizing diversity, equity, and inclusion in water treatment. Students will learn to operate advanced processes like membrane filtration and advanced oxidation, while adhering to regulatory standards that protect all communities. Key topics include safety procedures, chemical handling, personal protective equipment (PPE), and emergency response. The course also covers regulations promoting equitable access to safe water and introduces the Hazard Analysis Critical Control Point (HACCP) system for risk management. Hands-on training will enhance problem-solving skills, alongside discussions on anti-racism and ethical responsibilities in the field. By the end, students will be ready for the California-Nevada American Waterworks Association (CA NV AWWA) Advanced Water Treatment Operator (AWTO) Certification exam at the Grade III level and equipped to advocate for equity and sustainability in water treatment careers.
Associate Degree Applicable
Transfers to CSU only

WST 236 3 Units
Introduction to Water Utility Management
Lecture: 54 contact hours
Prerequisite/Corequisite: WST 120 or WST 140 or WST 160 or WST 121
Departmental Recommendation: ENGL C1000 or ENGL C1000H
This course is designed for students interested in managing water and wastewater utilities, with a strong emphasis on diversity, equity, inclusiveness, and antiracism. Participants will explore key topics such as personnel management with a focus on inclusive hiring practices, organizational management that values diverse perspectives, and financial management that prioritizes equitable resource allocation. Additional areas of study will include training programs that foster an inclusive workplace culture, problem-solving and decision-making techniques that consider diverse community needs, regulatory compliance through an equity lens, and health and safety programs that protect all employees. Furthermore, the course will emphasize the importance of cultivating strong community relations and developing personal and professional skills that promote inclusiveness and respect for all individuals. (Formerly WST 036)
Associate Degree Applicable
Transfers to CSU only

WST 238 3 Units
Geographic Information Systems (GIS) in Water Resources
Lecture: 54 contact hours
This course introduces Geographic Information Systems (GIS) with a focus on water resource management, emphasizing diversity, equity, and anti-racism. Students will explore how GIS addresses real-world water challenges, including infrastructure maintenance, sourcing, and treatment, while considering the socio-environmental impacts on diverse communities. By integrating perspectives from marginalized populations, we will discuss equitable access to clean water as a fundamental human right. Through foundational GIS skills and case studies, students will learn how to leverage technology for social justice and environmental equity, fostering sustainable solutions in our interconnected world. (Formerly WST 038)
Associate Degree Applicable
Transfers to CSU only

WST 275 4 Units
Water/Wastewater Chemistry and Analysis
Lecture: 54 contact hours
Lab: 54 contact hours
Prerequisite/Corequisite: WST 110 or WST 150
This course explores the physical and chemical properties of substances used in water and wastewater treatment, emphasizing equitable access to clean water for all communities. Students will learn laboratory analysis techniques critical to treatment processes while examining the social contexts and systemic inequities that impact marginalized populations. By highlighting diverse perspectives and fostering a collaborative learning environment, the course prepares students to address water quality issues with a commitment to social responsibility, sustainability, and anti-racism in water management practices. (Formerly WST 075)
Associate Degree Applicable
Transfers to CSU only

WST 601 Noncredit
Test Review for Water Distribution D1
Lecture: 9 contact hours
This non-credit course is designed to familiarize students with the expected Range of Knowledge (ROK) required to pass the State Water Resources Control Board (SWRCB) Distribution Operator test at level D1. The review topics include distribution system operations, disinfection, related mathematics and safety. The course may also be used to earn continuing education units required to renew the certificate.

WST 602 Noncredit
Test Review for Water Distribution D2
Lecture: 9 contact hours
This non-credit course is designed to familiarize students with the expected Range of Knowledge (ROK) required to pass the State Water Resources Control Board(SWRCB) Distribution Operator test at level D2. The review topics include distribution system operations, disinfection, related mathematics and safety. The course may also be used to earn continuing education units required to renew the certificate.

WST 603 Noncredit
Test Review for Water Distribution Operations D3
Lecture: 9 contact hours
This non-credit course is a review of the expected Range of Knowledge (ROK) required to obtain the State Water Resources Control Board (SWRCB) Distribution Operator certification at the Distribution Operator III level. The review topics include distribution system operations, disinfection, related mathematics, and safety.

WST 611 Noncredit
Test Review for Water Treatment T1
Lecture: 9 contact hours
This course is a review of the expected Range of Knowledge (ROK) required to obtain the California State Water Resources Control Board (SWRCB) Water Treatment Operator License at level T1. The review topics include conventional treatment techniques, flocculation, sedimentation, filtration, system pressures, and related math.

WST 612 Noncredit
Test Review for Water Treatment T2
Lecture: 9 contact hours
This noncredit course is a review of the expected Range of Knowledge (ROK) required to obtain the State Water Resources Control Board (SWRCB) Water Treatment Operator II certification. The review topics include conventional treatment techniques, source water supply and storage, water quality regulation and related math.

WST 625 Noncredit
Test Review for Wastewater Treatment Plant Operations Grades One and Two
Lecture: 9 contact hours
This noncredit course is a review of the expected knowledge for a minimally competent Wastewater Treatment Plant Operator as determined by State Water Resources Control Board (SWRCB) treatment operator certification at the Grades I and II level. The review topics include wastewater treatment operations, disinfection, related mathematics, and safety.

WST 626 Noncredit
Test Review for Wastewater Treatment Plant Operations Grades Three, Four and Five
Lecture: 8 contact hours
This noncredit course is a review of the expected knowledge for a minimally competent Wastewater Treatment Plant Operator as determined by State Water Resources Control Board (SWRCB) treatment operator certification at the Grades III, IV and V level. The review topics include wastewater treatment operations, administration, process control, regulations, disinfection, related mathematics, and safety.

WST 629 Noncredit
Introduction to Water Supply Technology
Lecture: 8 contact hours
This noncredit course introduces students to entry-level training in water conservation, treatment, supply, delivery, and waste collection systems. The goal of this course is to offer students better defined opportunities for career selection in the field of water technology. Regulations-licensing and the certification process will be discussed as a part of this course.

WST 631 Noncredit
Introduction to Water Use Efficiency
Lecture: 36 contact hours
This noncredit water conservation course is designed for students interested in working as a water use efficiency practitioner. It includes the expected range of knowledge required for the American Water Works Association (AWWA) Water Use Efficiency Practitioner I Certificate.

WST 652 Noncredit
Basic Waterworks Math Test Preparation
Lecture: 36 contact hours
This noncredit course prepares students for the quantitative and algebraic questions typically encountered on water distribution and water treatment operations licensing examinations. This course is also recommended for students currently enrolled in water technology course(s) who desire refresher training in the applied math skills that are unique to water operations. Topics include, but are not limited to, unit conversion, volume, velocity, flow rates, chemical dosages, percent strength, and dilution calculations. Also included are some basic test-taking techniques to increase proficiency on the state exam.

WST 653 Noncredit
Wastewater Technology Math Test Preparation
Lecture: 36 contact hours
This noncredit course prepares students for the quantitative and algebraic questions typically encountered on wastewater collections and wastewater treatment operations licensing examinations. This course is also recommended for students currently enrolled in water technology course(s) who desire refresher training in the applied math skills that are unique to wastewater collections and treatment operations. Topics include, but are not limited to, unit conversion, volume, velocity, flow rates, chemical dosages, process control, and solids handling. Also included are some basic test-taking techniques to increase proficiency on the state exam.

WST 661 Noncredit
Introduction to Water Distribution
Lecture: 36 contact hours
This noncredit course is designed for students interested in the field of water distribution. It covers the configuration, operation and maintenance of a water distribution system, and includes the Expected Range of Knowledge (ERK) required for the State Water Resource Control Board (SWRCB) water distribution certification tests at D1 and D2 levels. Successful completion of this course fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for the SWRCB D2 certification test.

WST 671 Noncredit
Introduction to Water Treatment
Lecture: 36 contact hours
This noncredit course is designed for students interested in the field of water treatment. It includes processes required to treat source water into potable water and includes the Expected Range of Knowledge (ERK) required to pass the California State Water Resource Control Board (SWRCB) water treatment certification test at T1 level. Successful completion of this course fulfills the requirements for the specialized training covering drinking water treatment required to apply for SWRCB T2 certification test.

WST 681 Noncredit
Introduction to Wastewater Collections
Lecture: 36 contact hours
This noncredit course is designed to train operators in the practical aspects of operating and maintaining wastewater collector systems, emphasizing safe practices and procedures. The course focuses on the knowledge, skills, and abilities required to perform the essential duties of an entry level collection system maintenance technologist and prepares students to take the California Water Environment Association (CWEA) Collection System Certification exam at Grade I.

WST 691 Noncredit
Introduction to Wastewater Treatment
Lecture: 36 contact hours
This is an introductory course in wastewater treatment. This noncredit course covers material included in the State Water Resources Control Board (SWRCB) grade I certification exam.

Basic Waterworks Certificate of Completion

This noncredit Basic Waterworks Certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the water supply, delivery, and treatment operations. Note: The Basic Waterworks Certificate is not equivalent to the “Certificate of Competency” issued by the California State Water Resources Control Board in Water Distribution or Water Treatment.

Code	Title	Units
Required Courses:		
CIT 601	Introduction to Basic Computer Skills	0
WST 601	Test Review for Water Distribution D1	0
WST 611	Test Review for Water Treatment T1	0
WST 629	Introduction to Water Supply Technology	0
WST 652	Basic Waterworks Math Test Preparation	0
WST 661	Introduction to Water Distribution	0
WST 671	Introduction to Water Treatment	0
Total Hours		**140-160**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Identify fundamental aspects of water resource management, conservation, distribution, treatment, collection, recycle, and disposal operations.
b. Perform tasks in connection with the operation, control, and maintenance of water and sanitation systems.
c. Demonstrate effective oral and written communication skills and apply these tools in a regulatory context (i.e. the public health protection).

Wastewater Technology Certificate of Completion

The noncredit Wastewater Technology Certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in wastewater collections, treatment, and recycle operations. Note: The Wastewater Technology Certificate is not equivalent to the “Certificate of Competency” issued by the California Water Environment Association (CWEA) in wastewater collection system operations or the “Certificate of Competency” issued by the State Water Resources Control Board (SWRCB) in Wastewater Treatment. The Cooperative Work Experience course, WST 098, is highly recommended for students not currently employed in the field.

Code	Title	Units
Required Courses:		
CIT 601	Introduction to Basic Computer Skills	0
VOCED 631	Fundamentals of Business English	0
WST 629	Introduction to Water Supply Technology	0
WST 625	Test Review for Wastewater Treatment Plant Operations Grades One and Two	0
WST 653	Wastewater Technology Math Test Preparation	0
WST 681	Introduction to Wastewater Collections	0

WST 691	Introduction to Wastewater Treatment	0
Total Hours		**164-195**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Have knowledge of fundamental aspects of water resource management, conservation, distribution, treatment, collection, recycle, and disposal operations.
b. Perform tasks in connection with the operation, control, and maintenance of water and sanitation systems.
c. Demonstrate effective oral and written communication skills and apply these tools in a regulatory context (i.e. the public health protection).

Water Resources Management Bachelor of Science Degree

The Bachelor's Degree in Water Resources Management introduces students to public policy decisions and statutory mandates that govern water demand, affect water supply, and impact water quality. The concentration in Water Resources Management enables students to develop the knowledge and skills needed to apply organizational theories in leadership and integrated resource management, facilitate the complex nature of intergovernmental relations among local, state, federal, and private organizations, interpret major policies, legislative acts, and regulations governing water resources, analyze water policy issues, and evaluate alternative policy solutions. The program emphasizes the importance of diversity, equity, inclusion, and accessibility (DEIA) in water resource planning and management, ensuring that students understand how equitable policies and inclusive practices contribute to sustainable and socially responsible water governance. Students also explore financial management and budget forecasting functions and facilitate strategic planning and goal-setting processes for water sector organizations.

Employment for graduates occurs in a wide range of fields and sectors, including private, non-profit, and government agencies. Possible career paths include leadership roles in:

- Water Supply Utilities
- Water/Wastewater Treatment Plants
- Regulatory Agencies
- Groundwater and Conservation Districts
- Watershed/River Basin Authorities

Code	Title	Units
Required Courses:		
General Education (GE) Courses:		
ENGL 300	Advanced Writing and Critical Thinking in the Industry Disciplines	4
GIS 400	GIS and Data Analysis in Water Resources Management	4
STAT 300	Applied Statistical Research and Analysis	4
Water Resources Management Courses:		
WRM 301	California Water History	3
WRM 302	Introduction to Water Resources Management	3
WRM 310	Applied and Professional Ethics in the Water Sector	3
WRM 315	Technology and Public Administration	3
WRM 330	Water Law	3
WRM 401	Managing Public Organizations in the Water Sector	3
WRM 402	Water Resources Management and the Public Policy Process	3
WRM 420	Human Resources Administration in the Water Sector	3
WRM 460	Water Resources Budgeting and Financial Management	3
WRM 495	Research Methods in Water Resources Management	3
WRM 498	Internship in Water Resources Management	3
Electives - Select Four Courses:		
WRM 320	Strategic Planning in the Water Sector	3
WRM 325	Water Resources Economics	3
WRM 335	Tribal Water Rights	3
WRM 340	International Environmental Policy	3
WRM 430	Water Sector Leadership and Diversity	3
WRM 440	Collective Bargaining and Labor Relations	3
Culminating Experience Requirement:		
WRM 499A	Applied Research (Capstone) Project in Water Resources Management	3
or WRM 499B	Comprehensive Written Exam in Water Resources Management	
Total Units		**60**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Engage proactively with stakeholders and community decision makers to promote the utility provider as valued, competent, and trustworthy environmental stewards and the water infrastructure as community assets.
b. Produce technical documents that respond to the needs of multiple audiences, including international/global audiences of water resources.
c. Employ project management processes and analytical tools to achieve a sustainable outcome to regulatory compliance and environmental problems.
d. Develop the skills of utilizing information technologies capabilities in water resources management to track performance, identify variability, and manage performance more effectively and precisely.
e. Apply key terminology, facts, concepts, principles, historical perspectives and theories to effectively "supply water" and "manage wastewater" infrastructure functions.
f. Gain comprehensive knowledge of integrated water resources management with specific emphasis on best practices leading to water sustainability and financial viability.
g. Acquire skills to address contemporary issues related to water resources management and understand their societal, economic, and environmental impacts.
h. Analyze social justice in the workplace and determine one's own self-concept based on the dimensions of diversity equity, inclusion, and anti-racism.
i. Articulate the core concepts of sustainable management of water resources from local to state to national and global viewpoints.

Water Supply Technology Certificate of Achievement

The Water Supply Technology Certificate is designed to equip students with the essential knowledge and skills needed for entry-level employment in water supply, delivery, and treatment operations. This program includes coursework in advanced water treatment operations, as well as hands-on training in instrumentation, pumps, and motors, providing a comprehensive foundation for success in the field.

Please note that the Water Supply Technology Certificate is distinct from certification issued by the State Water Resources Control Board, California Water Environment Association (CWEA), or the American Water Works Association (AWWA). To obtain certification from the State of California, individuals must: 1) pass an examination administered by the State Water Resources Control Board, CWEA, or AWWA; 2) meet the required experience and/or educational minimums; and 3) submit a certification application along with the applicable fee.

Code	Title	Units
Required Courses:		
CIT 031	Business English	3
WST 100	Water Technology Math	3
or WST 101	Wastewater Technology Math	
WST 275	Water/Wastewater Chemistry and Analysis	4
Six courses from the following:		
WST 131	Water Use Efficiency Practitioner I	3
WST 137	Environmental Laws and Regulations	3
WST 238	Geographic Information Systems (GIS) in Water Resources	3
WST 145	Backflow Prevention Devices	3
WST 148	Cross-Connection Control	3
WST 130	Water Distribution Operator I	3
WST 140	Water Distribution Operator II	3
WST 150	Water Treatment I	3
WST 160	Water Treatment II	3
WST 111	Wastewater Collection I	3
WST 121	Wastewater Collection II	3
WST 186	Electrical Instrumentation for Water and Wastewater Operations	3
WST 188	Pumps and Motors	3
WST 110	Wastewater Treatment I	3
WST 120	Wastewater Treatment II	3
Total Units		**28**

Code	Title	Units
Recommended Courses:		
CIT 101	Introduction to Computer Literacy	3
WST 098	Water Supply Technology Work Experience	0.5-4

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Demonstrate knowledge of fundamental aspects of water resource management, including conservation, distribution, treatment (with a focus on advanced water treatment operations), collection, recycling, and disposal operations.
b. Perform tasks related to the operation, control, and maintenance of water and sanitation systems, including the application of instrumentation, pumps, motors, and advanced treatment technologies.
c. Establish effective oral and written communication skills, utilizing these tools in regulatory contexts to promote public health protection and ensure compliance with statutory mandates.

Water Technology Associate of Science Degree

The Water Supply Technology Program is designed for students currently employed or seeking employment in water and wastewater occupations. This comprehensive program offers technical courses in water distribution, water treatment (emphasizing advanced water treatment operations), wastewater collection, and wastewater treatment. Additionally, students will gain hands-on experience with instrumentation, pumps, and motors essential for effective system operation.

The curriculum prepares students to enhance their skills and equips them for certification examinations from the California State Water Resource Control Board, the American Water Works Association, and the California Water Environment Association. The certificate program is tailored to prepare students for entry-level positions in water treatment, water distribution, and wastewater reclamation industries.

Graduates of the Associate of Science Degree often find employment with city, county, or state agencies in roles such as plant operator, engineering technician, surface water manager, environmental laboratory coordinator, and industrial pre-treatment coordinator.

To graduate with a specialization in Water Technology, students must complete the required courses alongside the general breadth requirements for the Associate of Science degree (total = 60 units).

Code	Title	Units
Required Courses:		
WST 100	Water Technology Math	3
or WST 101	Wastewater Technology Math	
WST 110	Wastewater Treatment I	3
or WST 150	Water Treatment I	
WST 137	Environmental Laws and Regulations	3
WST 275	Water/Wastewater Chemistry and Analysis	4
Complete five courses from one emphasis below:		
Basic Waterworks Emphasis		
WST 131	Water Use Efficiency Practitioner I	3
WST 145	Backflow Prevention Devices	3
WST 148	Cross-Connection Control	3
WST 186	Electrical Instrumentation for Water and Wastewater Operations	3
WST 188	Pumps and Motors	3

WST 238	Geographic Information Systems (GIS) in Water Resources	3
Water Technology Emphasis		
WST 130	Water Distribution Operator I	3
WST 140	Water Distribution Operator II	3
WST 150	Water Treatment I	3
WST 186	Electrical Instrumentation for Water and Wastewater Operations	3
WST 188	Pumps and Motors	3
WST 160	Water Treatment II	3
WST 235	Advanced Water Treatment Operator	3
Wastewater Technology Emphasis		
WST 110	Wastewater Treatment I	3
WST 111	Wastewater Collection I	3
WST 121	Wastewater Collection II	3
WST 186	Electrical Instrumentation for Water and Wastewater Operations	3
WST 188	Pumps and Motors	3
WST 120	Wastewater Treatment II	3
WST 235	Advanced Water Treatment Operator	3
Total Units		**28**

Code	Title	Units
Recommended Courses:		
CIT 101	Introduction to Computer Literacy	3
WST 098	Water Supply Technology Work Experience	0.5-4

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Examine fundamental aspects of water resource management, including conservation, distribution, treatment (with a focus on advanced water treatment operations), collection, recycling, and disposal.
b. Perform tasks related to the operation, control, and maintenance of water and sanitation systems, including the application of instrumentation, pumps, motors, and advanced treatment technologies.
c. Apply analytical skills as decision-making tools to evaluate potable water and wastewater transport systems, treatment processes, and overall utility performance, thereby enhancing operational efficiency.
d. Establish effective oral and written communication skills, utilizing these tools in regulatory contexts to promote public health protection and ensure compliance with statutory mandates.
e. Apply relevant equipment, policies, procedures, and strategies to facilitate effective local, state, or national security operations in water resource management.
f. Combine knowledge from related fields such as organizational leadership, legislative policy, and environmental science to tackle complex water management challenges.
g. Critically analyze public policy and statutory mandates governing water demand, supply, and quality, preparing to address pressing issues in water resource management.

Water Use Specialist Certificate of Completion

This noncredit Water Use Specialist Certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment as a water use efficiency practitioner. Note: The Water Use Specialist Certificate is not equivalent to the certification issued by the American Water Work Association (AWWA) in water use efficiency.

Code	Title	Units
Required Courses:		
CIT 601	Introduction to Basic Computer Skills	0
VOCED 631	Fundamentals of Business English	0
WST 629	Introduction to Water Supply Technology	0
WST 631	Introduction to Water Use Efficiency	0
WST 652	Basic Waterworks Math Test Preparation	0
Total Hours		**124-143**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Have knowledge of fundamental aspects of water resource management, conservation, distribution, treatment, collection, recycle, and disposal operations.
b. Perform tasks in connection with the operation, control, and maintenance of water and sanitation systems.
c. Demonstrate effective oral and written communication skills and apply these tools in a regulatory context (i.e. the public health protection).

Welding Technology

The Welding Technology program prepares students for employment in welding occupations and occupations where welding is required. Our program provides students with an understanding of the welding industry's requirements for employment and helps them to acquire entry-level job skills. Hands-on experience is emphasized in addition to a strong background in theory. Courses are held in well-equipped welding labs. Upon successful completion of the program, students will be able to demonstrate industry accepted welding and fabrication skills including, but not limited to: SMAW, FCAW, GMAW, GTAW, OAW and OFC in all positions with a variety of metals and alloys. Students are given opportunities to test and achieve certifications in welding that are included in the courses at no additional cost to enrolled students. The program also offers classes to prepare students to become Certified Welding Inspectors and L.A. City Certified Welders.

Contact Information

Division: Career Technical Education (AT - 236)

Division Phone Number: (909) 384-4451

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- Flux Cored Arc Welding (FCAW) Certificate of Achievement
- Gas Metal Arc Welding (GMAW) Certificate of Achievement
- Gas Tungsten Arc Welding (GTAW) Certificate of Achivement
- Pipe Welding Certificate of Achievement
- Shielded Metal Arc Welding (SMAW) Certificate of Achievement
- Welding Inspection Technology Certificate of Achievement
- Welding Job Readiness Certificate of Completion
- Welding Technology Associate of Science Degree
- Welding Technology Certificate of Achievement

WELD 010 2 Units
Introduction to Welding
Lecture: 18 contact hours
Lab: 54 contact hours
This is an introductory course for students in any field that utilizes welding processes. Emphasis will be on Welding Safety, Thermal cutting, Gas Metal Arc Welding, and Shielded Metal Arc Welding in flat and horizontal positions.
Associate Degree Applicable

WELD 012 2 Units
Oxy-Fuel Welding
Lecture: 18 contact hours
Lab: 54 contact hours
This course provides entry-level training in oxy-acetylene welding, oxy-fuel cutting and oxy-fuel brazing.
Associate Degree Applicable

WELD 015 3 Units
Gas Tungsten Arc Welding - Beginning
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: WELD 012
This is an introductory course in the Gas Tungsten Arc Welding (GTAW) or Tungsten Inert Gas (TIG) welding process. Welding safety, equipment, and joint construction on mild steel are stressed.
Associate Degree Applicable

WELD 016 4 Units
Gas Tungsten Arc Welding - Intermediate
Lecture: 18 contact hours
Lab: 162 contact hours
Prerequisite: WELD 015
This is an intermediate level course in the Gas Tungsten Arc Welding (GTAW) process that focuses on carbon steel, stainless steel, and aluminum. Welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals are also covered.
Associate Degree Applicable

WELD 017 3 Units
Gas Tungsten Arc Welding - Advanced
Lab: 162 contact hours
Prerequisite: WELD 016
This is an advanced course in GTAW that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. This course develops gas tungsten arc welding skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.
Associate Degree Applicable

WELD 027 3 Units
Inspection of Welds: Destructive Testing
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: WELD 010 or WELD 012
Departmental Recommendation: TECALC 087 and READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
This course covers basic metallurgy and destructive tests commonly used to determine the physical properties of a weld. Destructive tests include: bend tests, nick break tests, tensile tests, hardness tests, fatigue tests, and impact tests.
Associate Degree Applicable

WELD 028 3 Units
Inspection of Welds: Non-Destructive Examination
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: WELD 010 or WELD 012
Departmental Recommendation: TECALC 087 and READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
This course covers non-destructive examination techniques used to determine the soundness of welds and their fitness for service. It includes visual examination, dye penetrant testing, magnetic particle testing, and ultrasonic testing.
Associate Degree Applicable

WELD 045 3 Units
Shielded Metal Arc Welding - Beginning
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite/Corequisite: WELD 010
This is an introductory course in the Shielded Metal Arc Welding (SMAW) process often referred to as stick welding or arc welding. Welding safety, equipment and joint construction on mild steel are stressed.
Associate Degree Applicable

WELD 046 4 Units
Shielded Metal Arc Welding - Intermediate
Lecture: 18 contact hours
Lab: 162 contact hours
Prerequisite: WELD 045
This is an intermediate course in the Shielded Metal Arc Welding (SMAW) process. Vertical and overhead groove welds and the lab portion of the structural weld certification for the City of Los Angeles are stressed.
Associate Degree Applicable

WELD 047 3 Units
Preparation for Shielded Metal Arc Welding (SMAW) Pipe
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: WELD 046
Departmental Recommendation: READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
This is an advanced course in the Shielded Metal Arc Welding (SMAW) process that prepares students for pipe welding. Emphasis will be on open root groove welds in all positions. Root passes will be welded with E6010 and fill/covers with E7018.
Associate Degree Applicable

WELD 048 4 Units
Shielded Metal Arc Welding (SMAW) - Pipe
Lecture: 18 contact hours
Lab: 162 contact hours
Prerequisite: WELD 047
Departmental Recommendation: TECALC 087
This is an advanced course covering Shielded Metal Arc Welding (SMAW) on pipe. American Welding Society (AWS) and American Petroleum Institute (API) standards will be covered. Focus will be on 5G and 6G welding positions.
Associate Degree Applicable

WELD 055 4 Units
Rigging
Lecture: 54 contact hours
Lab: 54 contact hours
The course is a comprehensive study of material handling and rigging.
Associate Degree Applicable

WELD 060 4 Units
Fabrication and Layout - Beginning
Lecture: 36 contact hours
Lab: 108 contact hours
Prerequisite: WELD 010
This course is designed to provide the training needed to read blueprints, create shop drawings, and fabricate and assemble parts.
Associate Degree Applicable

WELD 061 3 Units
Layout Fitter II
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: WELD 060
This course is designed to provide the intermediate to advanced welding student with the skills needed by craftsmen in the fabrication industry. Topics include properties of structural steel; fitting up; plate and pipe.
Associate Degree Applicable

WELD 065 4 Units
Welding Inspection Visual - AWS-CWI
Lecture: 72 contact hours
Departmental Recommendation: WELD 028 and READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
This course is designed to prepare students for the Certified Welding Inspector (CWI) examination offered by the American Welding Society (AWS). Focus is placed on visual inspection, terms and definitions, welding symbols, welding processes, welding procedures, code specifications, materials and their limitations, weld testing, record keeping, report preparations, certifications, and responsibilities of a CWI.
Associate Degree Applicable

WELD 066 3 Units
Preparation for Los Angeles City Welding Welding Certification - Structural (AWS D1.1)
Lecture: 54 contact hours
Prerequisite: WELD 045
Corequisite: WELD 046
Departmental Recommendation: READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
This course prepares students for the written Structural Steel examination offered by the City of Los Angeles Department of Building and Safety (LADBS) with a focus on the American Welding Society (AWS) D1.1 structural welding code.
Associate Degree Applicable

WELD 067 2 Units
Structural Steel Special Inspection (ICC)
Lecture: 36 contact hours
Departmental Recommendation: WELD 060 and READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
This course is designed to prepare students for the structural steel special inspection examinations offered by the International Code Council (ICC). Topics include a review of the technical aspects on inspection and quality control in the area of structural steel, welding preparation, materials applications, plan reading, related codes, and report writing.
Associate Degree Applicable

WELD 068 3 Units
Preparation for Los Angeles City Welder Certification - Reinforced Steel and Light Gauge Steel
Lecture: 36 contact hours
Lab: 54 contact hours
Prerequisite: WELD 066
This class prepares students for the City of Los Angeles Department of Building and Safety (LADBS) Reinforced Steel and Light Gauge Steel written and performance qualification examinations with emphasis on the American Welding Society (AWS) D1.3 and AWS D1.4 Welding Codes.
Associate Degree Applicable

WELD 077 3 Units
Introduction to Continuous Wire Welding
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: WELD 010
This course covers techniques and methods of Gas Metal Arc Welding (GMAW) and Flux-cored Arc Welding (FCAW) in all positions and on various thicknesses of mild steel. Fulfills American Welding Society SENSE Level 1 – Entry Welder Certification Modules 5: Gas Metal Arc Welding (GMAW-S, GMAW Spray Transfer and 6: Flux Cored Arc Welding (FCAW-G/GM, FCAW-S).
Associate Degree Applicable

WELD 080 3 Units
Gas Metal Arc Welding - Beginning
Lecture: 18 contact hours
Lab: 108 contact hours
Prerequisite: WELD 010
This course introduces techniques and methods of Gas Metal Arc Welding (GMAW-S, GMAW Spray Transfer) in all positions and on various thicknesses of mild steel.
Associate Degree Applicable

WELD 081 4 Units
Gas Metal Arc Welding - Intermediate
Lecture: 18 contact hours
Lab: 162 contact hours
Prerequisite: WELD 080
This is the study of intermediate techniques and methods of Gas Metal Arc Welding (GMAW) and Metal-Cored Arc Welding (MCAW) in all positions and on various thicknesses of mild steel and aluminum.
Associate Degree Applicable

WELD 082 3 Units
Gas Metal Arc Welding - Advanced
Lab: 162 contact hours
Prerequisite: WELD 081
This is an advanced course in Gas Metal Arc Welding (GMAW) that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. The course develops Gas Metal Arc Welding (GMAW) skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.
Associate Degree Applicable

WELD 090 4 Units
Flux Cored Arc Welding - Gas Shielded
Lecture: 18 contact hours
Lab: 162 contact hours
Prerequisite: WELD 010
This course introduces techniques and methods of Flux Cored Arc Welding-Gas shielded (FCAW-G) in all positions and on various thicknesses of carbon steel.
Associate Degree Applicable

WELD 091 4 Units
Flux Cored Arc Welding - Self Shielded
Lecture: 18 contact hours
Lab: 162 contact hours
Prerequisite: WELD 010
Departmental Recommendation: WELD 090
This course introduces techniques and methods of Flux Cored Arc Welding-Self shielded (FCAW-S) in all positions and on various thicknesses of carbon steel.
Associate Degree Applicable

WELD 092 3 Units
Flux Cored Arc Welding - Advanced
Lab: 162 contact hours
Prerequisite: WELD 090 or WELD 091
This is an advanced course in Flux Cored Arc Welding (FCAW) that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. The course develops Flux Cored Arc Welding skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.
Associate Degree Applicable

WELD 098 0.5-4 Units
Welding Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.

WELD 099 1-3 Units
Independent Study in Welding Technology
DIR: 54 contact hours
Students with previous course work in Welding Technology may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Welding Technology. Prior to registration, a written contract must be prepared jointly by the instructor and the student. See instructor for details.

WELD 645 Noncredit
Shielded Metal Arc Welding - Beginning
Lecture: 18 contact hours
Lab: 108 contact hours
This is a noncredit introductory course in the Shielded Metal Arc Welding (SMAW) process often referred to as stick welding or arc welding. Welding safety, equipment and joint construction on mild steel are stressed.

WELD 646 Noncredit
Shielded Metal Arc Welding - Intermediate
Lecture: 18 contact hours
Lab: 162 contact hours
Prerequisite: WELD 645
This is an intermediate noncredit course in the Shielded Metal Arc Welding (SMAW) process. Vertical and overhead groove welds and the lab portion of the structural weld certification for the City of Los Angeles are stressed.

WELD 660 Noncredit
Fabrication and Layout - Beginning
Lecture: 36 contact hours
Lab: 108 contact hours
This noncredit course is designed to provide the training needed to read blueprints, create shop drawings, and fabricate and assemble parts.

WELD 666 Noncredit
Preparation for Los Angeles City Welding Certification - Structural (AWS D1.1)
Lecture: 54 contact hours
This noncredit course prepares students for the written Structural Steel examination offered by the City of Los Angeles Department of Building and Safety (LADBS) with a focus on the American Welding Society (AWS) D1.1 structural welding code.

WELD 680 Noncredit
Gas Metal Arc Welding - Beginning
Lecture: 18 contact hours
Lab: 108 contact hours
This noncredit course introduces Gas Metal Arc Welding (GMAW) techniques, including short-circuit and spray transfer methods. Students practice welding in multiple positions on various thicknesses of mild steel. Emphasis is placed on developing proper welding technique and equipment operation.

WELD 681 Noncredit
Gas Metal Arc Welding - Intermediate
Lecture: 18 contact hours
Lab: 162 contact hours
Prerequisite: WELD 680
This noncredit course is the study of intermediate techniques and methods of Gas Metal Arc Welding (GMAW) and Metal-Cored Arc Welding (MCAW) in all positions and on various thicknesses of mild steel and aluminum.

WELD 690 Noncredit
Flux Cored Arc Welding - Gas Shielded
Lecture: 18 contact hours
Lab: 162 contact hours
This noncredit course introduces techniques and methods of Flux Cored Arc Welding- Gas shielded (FCAW-G) in all positions and on various thicknesses of carbon steel.

WELD 691 Noncredit
Flux Cored Arc Welding - Self Shielded
Lecture: 18 contact hours
Lab: 162 contact hours
Departmental Recommendation: WELD 690
This noncredit course introduces techniques and methods of Flux Cored Arc Welding- Self shielded (FCAW-S) in all positions and on various thicknesses of carbon steel.

Flux Cored Arc Welding (FCAW) Certificate of Achievement

This certificate is designed to provide students with training in Flux Cored Arc Welding (FCAW-G and FCAW-S). This is the semi-automatic welding process often used to replace Shielded Metal Arc Welding (SMAW) in many industrial applications. Industry certifications are stressed.

Code	Title	Units
Required Courses:		
WELD 010	Introduction to Welding	2
WELD 090	Flux Cored Arc Welding - Gas Shielded	4
WELD 091	Flux Cored Arc Welding - Self Shielded	4
WELD 092	Flux Cored Arc Welding - Advanced	3
Total Units		**13**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding.
b. Use tools related to the welding industries.
c. Read and interpret prints and shop drawings to produce quality welds.
d. Read and understand Welder Procedure Specification to produce quality welds.
e. Fabricate and layout parts that meet quality standard.
f. Pass a Welder Performance Qualification Test that meets the standard of acceptability to pass a National Standard.

Gas Metal Arc Welding (GMAW) Certificate of Achievement

This certificate is designed to provide students with training in Gas Metal Arc Welding (GMAW). Metals will include Steel and Aluminum. Industry Certifications for both plate and pipe will be stressed.

Code	Title	Units
Required Courses:		
WELD 010	Introduction to Welding	2
WELD 080	Gas Metal Arc Welding - Beginning	3
WELD 081	Gas Metal Arc Welding - Intermediate	4
WELD 082	Gas Metal Arc Welding - Advanced	3
Total Units		**12**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding.

b. Use tools related to the welding industries.
c. Read and interpret prints and shop drawings to produce quality welds.
d. Read and understand Welder Procedure Specification to produce quality welds.
e. Fabricate and layout parts that meet quality standard.
f. Pass a Welder Performance Qualification Test that meets the standard of acceptability to pass a National Standard.

Gas Tungsten Arc Welding (GTAW) Certificate of Achivement

This certificate is designed to provide students with training in Gas Tungsten Arc Welding (GTAW). GTAW is commonly known as TIG (Tungsten Inert Gas Welding). Students will work with Steel, Stainless Steel and Aluminum in both plate and pipe applications. Industry Certifications are stressed.

Code	Title	Units
Required Courses:		
WELD 012	Oxy-Fuel Welding	2
WELD 015	Gas Tungsten Arc Welding - Beginning	3
WELD 016	Gas Tungsten Arc Welding - Intermediate	4
WELD 017	Gas Tungsten Arc Welding - Advanced	3
Total Units		**12**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding.
b. Use tools related to the welding industries.
c. Read and interpret prints and shop drawings to produce quality welds.
d. Read and understand Welder Procedure Specification to produce quality welds.
e. Fabricate and layout parts that meet quality standard.
f. Pass a Welder Performance Qualification Test that meets the standard of acceptability to pass a National Standard.

Pipe Welding Certificate of Achievement

This certificate will give students an introduction into pipe welding with all of the four major welding processes used in the industry. These include SMAW, GMAW, FCAW-G, FCAW-S, and GTAW.

Code	Title	Units
Required Courses:		
WELD 017	Gas Tungsten Arc Welding - Advanced	3
WELD 047	Preparation for Shielded Metal Arc Welding (SMAW) Pipe	3
WELD 048	Shielded Metal Arc Welding (SMAW) - Pipe	4
WELD 082	Gas Metal Arc Welding - Advanced	3
WELD 092	Flux Cored Arc Welding - Advanced	3
Total Units		**16**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding.
b. Use tools related to the welding industries.
c. Read and interpret prints and shop drawings to produce quality welds.
d. Read and understand Welder Procedure Specification to produce quality welds.
e. Fabricate and layout parts that meet quality standards.
f. Pass a Welder Performance Qualification Test that meets the standard of acceptability to a National Standard.

Shielded Metal Arc Welding (SMAW) Certificate of Achievement

This certificate is designed to train students in the use of Shielded Metal Arc Welding (SMAW) often known as Arc or Stick Welding. Electrode identification, welding symbols, and joint design are stressed. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Students must complete **all** the **required courses** plus pass the SMAW Welding Certification either through the City of San Bernardino or Los Angeles. The practical welding certification test for both cities is administered by SBVC Welding Department.

Code	Title	Units
Required Courses:		
WELD 012	Oxy-Fuel Welding	2
WELD 045	Shielded Metal Arc Welding - Beginning	3
WELD 046	Shielded Metal Arc Welding - Intermediate	4
WELD 066	Preparation for Los Angeles City Welding Welding Certification - Structural (AWS D1.1)	3
Total Units		**12**

Students completing all course work but not finishing the SMAW Certification may proceed to the next certificate. In order to be awarded the certificate, both course work and certification must be completed.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding.
b. Demonstrate the ability to read and understand Welding Procedure Specifications to produce quality welds.

c. Demonstrate the ability to pass a Welder Performance Qualification Test with the SMAW process that meets the standard of acceptability for the City of Los Angeles Department of Building and Safety.

Welding Inspection Technology Certificate of Achievement

This certificate is designed to prepare students for the American Welding Society (AWS) and/or International Code Council (ICC) Welding Inspector examinations.

Code	Title	Units
Required Courses:		
WELD 010	Introduction to Welding	2
WELD 027	Inspection of Welds: Destructive Testing	3
WELD 028	Inspection of Welds: Non-Destructive Examination	3
WELD 045	Shielded Metal Arc Welding - Beginning	3
WELD 060	Fabrication and Layout - Beginning	4
WELD 065	Welding Inspection Visual - AWS-CWI	4
WELD 067	Structural Steel Special Inspection (ICC)	2
Total Units		**21**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the general breadth of knowledge required to pass the AWS certified welding inspector (CWI) examination.
b. Show an understanding of the general breadth of knowledge required to pass the ICC welding inspector examination.
c. Perform visual inspection of welds to AWS standards.

Welding Job Readiness Certificate of Completion

This noncredit certificate is designed to complement the credit degree and certificates in the welding technology program by providing continuing education and practice for anyone in the welding industry. Focus is on Industry recognized welding certifications with the Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW) and Gas Metal Arc Welding (GMAW) processes.

Code	Title	Units
Required Courses:		
WELD 645	Shielded Metal Arc Welding - Beginning	0
WELD 646	Shielded Metal Arc Welding - Intermediate	0
WELD 660	Fabrication and Layout - Beginning	0
WELD 666	Preparation for Los Angeles City Welding Certification - Structural (AWS D1.1)	0
WELD 680	Gas Metal Arc Welding - Beginning	0
WELD 681	Gas Metal Arc Welding - Intermediate	0
WELD 690	Flux Cored Arc Welding - Gas Shielded	0
WELD 691	Flux Cored Arc Welding - Self Shielded	0
Total Hours		**1040-1170**

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding.
b. Use tools related to the welding industries.
c. Read and interpret prints and shop drawings to produce quality welds.
d. Read and understand Welding Procedure Specifications to produce quality welds.
e. Pass a Welder Performance Qualification Test that meets the standard of acceptability to a National Standard.

Welding Technology Associate of Science Degree

This degree is designed to provide students with an understanding of the terminology, concepts, procedures and skills used in the welding field to equip them with the fundamental skills necessary for entry- and intermediate-level employment as a combination welder. To graduate with a specialization in Welding Technology, students must complete the following required courses for the certificate plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
WELD 010	Introduction to Welding	2
WELD 012	Oxy-Fuel Welding	2
WELD 015	Gas Tungsten Arc Welding - Beginning	3
WELD 016	Gas Tungsten Arc Welding - Intermediate	4
WELD 027	Inspection of Welds: Destructive Testing	3
or WELD 028	Inspection of Welds: Non-Destructive Examination	
WELD 045	Shielded Metal Arc Welding - Beginning	3
WELD 046	Shielded Metal Arc Welding - Intermediate	4
WELD 060	Fabrication and Layout - Beginning	4
WELD 066	Preparation for Los Angeles City Welding Welding Certification - Structural (AWS D1.1)	3
WELD 080	Gas Metal Arc Welding - Beginning	3
WELD 081	Gas Metal Arc Welding - Intermediate	4
WELD 090	Flux Cored Arc Welding - Gas Shielded	4
WELD 091	Flux Cored Arc Welding - Self Shielded	4
TECALC 087	Technical Calculations	4
Total Units		**47**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding.
b. Use tools related to the welding industries.
c. Read and interpret prints and shop drawings to produce quality welds.
d. Read and understand Welding Procedure Specifications to produce quality welds.
e. Fabricate and layout parts that meet quality standards.
f. Determine the causes of a weld failure using the knowledge and skills developed in destructive testing and correctly develop a new welding procedure that meets AWS code requirements for structural steel.
g. Perform visual inspection on weld specimens along with dye penetrant, magnetic particle and ultrasonic examination. Students must also be able to write a clear and concise reports describing what type of weld discontinuity and reference it to a specific welding code.
h. Pass a Welder Performance Qualification Test that meets the standard of acceptability to a National Standard.

Welding Technology Certificate of Achievement

This certificate is designed to provide students with an understanding of the terminology, concepts, procedures and skills used in the welding field to equip them with the fundamental skills necessary for entry- and intermediate-level employment as a combination welder.

Code	Title	Units
Required Courses:		
WELD 010	Introduction to Welding	2
WELD 012	Oxy-Fuel Welding	2
WELD 015	Gas Tungsten Arc Welding - Beginning	3
WELD 016	Gas Tungsten Arc Welding - Intermediate	4
WELD 027	Inspection of Welds: Destructive Testing	3
or WELD 028	Inspection of Welds: Non-Destructive Examination	
WELD 045	Shielded Metal Arc Welding - Beginning	3
WELD 046	Shielded Metal Arc Welding - Intermediate	4
WELD 060	Fabrication and Layout - Beginning	4
WELD 066	Preparation for Los Angeles City Welding Welding Certification - Structural (AWS D1.1)	3
WELD 080	Gas Metal Arc Welding - Beginning	3
WELD 081	Gas Metal Arc Welding - Intermediate	4
WELD 090	Flux Cored Arc Welding - Gas Shielded	4
WELD 091	Flux Cored Arc Welding - Self Shielded	4
TECALC 087	Technical Calculations	4
Total Units		**47**

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding.
b. Use tools related to the welding industries.
c. Read and interpret prints and shop drawings to produce quality welds.
d. Read and understand Welding Procedure Specifications to produce quality welds.
e. Fabricate and layout parts that meet quality standards.
f. Determine the causes of a weld failure using the knowledge and skills developed in destructive testing and correctly develop a new welding procedure that meets AWS code requirements for structural steel.
g. Perform visual inspection on weld specimens along with dye penetrant, magnetic particle and ultrasonic examination. Students must also be able to write a clear and concise reports describing what type of weld discontinuity and reference it to a specific welding code.
h. Pass a Welder Performance Qualification Test that meets the standard of acceptability to a National Standard.

Work Experience

Occupational Cooperative Work Experience

Work experience education credit can be earned in each of the occupational disciplines. (See appropriate program area under course number 098 or 198 for specific information.)

Cooperative Work Experience

The concept of issuing college credit for work experience is based on the premise that a student with well-defined job-oriented objectives will find his/her work an educational experience. To be effective it must be approached cooperatively and with enthusiasm by the student, the employer, and the college coordinator. The student will gain college credit, a new appreciation of the responsibilities he/she has to his/her employer, greater awareness and improved job skills.

There are two classifications of Cooperative Work Experience Education at San Bernardino Valley College.

- In *Occupational Cooperative Work Experience*, students may earn four units per semester for a maximum of sixteen units.
- In *General Cooperative Work Experience* students may earn three units per semester with a maximum of six allowable during their college career; and they need not be enrolled in a related course. Seventy-five hours of paid work experience (or 60 hours volunteer work) equal one unit of college credit.

San Bernardino Valley College offers two formats for Cooperative Work Experience:

- In *Parallel Format*, students take a Cooperative Work Experience class concurrently with other college courses.
- In *Alternate Format* students alternate between taking a Cooperative Work Experience class one semester and other college courses the previous and/or following semesters.

Units earned through Work Experience do not apply toward units in a major unless such courses are specifically required for a degree in that department. However, course credit earned through work experience can apply as elective units in any associate degree. Refer to the specific department section of this catalog for a list of specific courses required for

a major. **For information on a specific discipline, contact the department or the division office.**

Contact Information:

Division: Instructional Support Services

Division Phone Number: (909) 384-8649

Division Dean: Patty Quach (pquach@sbccd.edu), Ed.D.

Faculty Chair: Maria Notarangelo (mnotarangelo@sbccd.edu), M.A., M.L.I.S.

Counselor Liaison:

- Rema Ghazaleh (rghazaleh@sbccd.edu), M.A.Ed., P.P.S.
- Evelyn Luna (eluna@sbccd.edu), M.A.

WKEXP 099 0.5-4 Units
General Work Experience
WRKEX: 216 contact hours
This course involves supervised training, in the form of on-the-job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. See department for specific guidelines.
Associate Degree Applicable

ADMINISTRATION AND FACULTY

- Administration (p. 376)
- Administrative Emeriti (p. 385)
- Faculty (p. 377)
- Faculty / Professor Emeriti (p. 385)

Administration

Bacon, Keith
Vice President - Administrative Services
M.P.A. - California Baptist University
B.A. - University of Arizona, Global Campus

Bratulin, Paul
Director - Strategic Communications & Marketing
B.A. - University of North Florida

Burnham, Lorrie
Dean - Science
M.S. - California Polytechnic University, Pomona
B.S. - California State University, San Bernardino
A.A. - San Bernardino Valley College

Carlos, Raymond
Dean - Student Services
Ed.D. - University of Southern California
M.A. - Indiana State University
B.A. - California State University, Fullerton

Cordero, Michael
Dean - Kinesiology, Health, and Athletics
M.S. - Azusa Pacific University
B.A. - Upper Iowa University

Contreras, Gilbert J.
College President
Ph.D. - University of California, Los Angeles
M.C.P. - Massachusetts Institute of Technology (MIT)
B.A. - University of California, Berkeley

Cortez, Eduardo
Tool Room Supervisor

Cota, Marco
Dean - Counseling and Matriculation
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino
A.A. - College of the Desert

Dale, April
Associate Dean - Student Support Services
M.B.A. - University of La Verne
B.S. - DeVry University, Long Beach

Dennis, Paul
Director - Police Academy
M.A. - Azusa Pacific University
B.A. - Azusa Pacific University

Diaz, Emma
Associate Dean, Noncredit and Adult Education
Ed.D. - University of Southern California
M.A. - University of Phoenix
B.S. - California State University, Northridge

Esparza, Rosario "Rosie"
Director - Financial Aid and Scholarships
M.A. - California State University, Long Beach
B.A. - University of California, Santa Barbara

Gonzalez, Moses
Interim Tool Room Supervisor

Griffin, James
Head Football Coach
M.S. - Northcentral University
B.S. - Virginia Tech University

Gutierrez-Sandoval, Yvonne
Vice President - Student Services
M.A. - Claremont Graduate University
B.A. - Pitzer College

Hector, Leticia
Vice President - Instruction
M.A. - California State University, Fullerton
B.A. - California State University, Fullerton
A.A. - Mt. San Antonio College

Hinojosa, Joanne
Director - EOPS & CARE
M.S.W. - Azusa Pacific University
B.A. - California State University, Chico
A.A. - Citrus College

Karge, Sandy
Director - Child Development Center
M.S. - University of La Verne
B.A. - University of Redlands
A.A. - San Bernardino Valley College
A.S. - Philips Business School

Layne, Michael
Director - Foundation
M.A. - University of Alaska Southeast
B.A. - St. John's College

Lewis, Stephanie
Executive Dean - Academic Services, Business, Computer Technology, and Hospitality
Ph.D. - University of California, Riverside
Ed.S. - Wayne State University
M.A. - Alabama State University, Montgomery
B.A. - Michigan State University, E. Lansing

Luminarias, Marwin
Interim Director - Student Life
M.B.A. - Central State University
B.A. - Central State University
A.A. - Fullerton College

Mathis, Tammy
Director - Grants
B.A. - Pacific Union College

Mayo, Daniel
Director - STEM-MESA
Ph.D. - Miami University
B.S./B.S. - Shippensburg University

Milligan, Marty
Director - Student Accessibility Services (SAS)
M.A. - Chapman University
B.A. - California State University, Fullerton
A.A. - Fullerton College

Morden, Erik
Manager - Food Services
M.P.A. - California State University, San Bernardino
B.A. - California State University, Fullerton
A.A. - San Bernardino Valley College

Neimeyer-Romero, Jesse
Executive Assistant to the President
Ed.D. - California State University, San Bernardino
M.P.A. - California State University, San Bernardino
B.A. - California Baptist University

Oxendine, Joanna
Dean - Research, Planning, and Institutional Effectiveness
Ed.D. - California State University, San Bernardino
M.Ed. - University of North Carolina, Chapel Hill
B.A. - University of North Carolina, Chapel Hill

Quach, Patty
Dean - Career Technical Education
Ed.D. - Capella University
M.Ed. - University of La Verne
B.A. - California Polytechnic University, Pomona

Rodriguez, Maria Del Carmen
Dean - Student Equity and Success
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Rogers, Kirk D., Jr.
Dean - Social Sciences and Human Development
Ph.D. - University of California, San Diego
Ed.S. - University of Georgia
M.A. - Georgia State University
B.A. - University of Georgia

Seely, Chelsey
Director - Admissions and Records
M.P.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Sifuentes, Aldo
Director - Campus Technology Services
M.A. - California State University, San Bernardino
B.A. - University of California, Santa Barbara

Sogomonian, Nori
Dean - Arts and Humanities
Ed.D. - California State University, San Bernardino
M.A. - University of California, Los Angeles
B.A. - University of California, Los Angeles

Thompson, Brian
Director - Secondary Educational Partnerships
M.B.A. - California State University, San Bernardino
B.A. - Virginia Tech

Faculty

The dates in parentheses indicate the year of appointment to the San Bernardino Community College District

Ababat, Anthony (2016)
Associate Professor - Electricity/Electronics
B.S. - Cebu Institute of Technology University

Addington, Samuel (2022)
Associate Professor - Computer Information Technology and Computer Science
M.S. - Western Governors University
B.S. - Colorado State University - Global Campus

Al-Husseini, Maha (2001)
Associate Professor - Computer Information Technology
M.A. - Central Michigan University
B.A. - Kuwait University

Allen, Tammy (2015)
Professor - Education, Reading and Literacy
Ed.D. - University of Southern California
M.S. - California State University, Fullerton
B.S. - Azusa Pacific University

Alphonse, Jeff (2026)
Assistant Professor - Chemistry
M.S. - Grand Canyon University
M.A. - Biola University
B.S. - University of Central Florida

Alvarez, Arnol (2025)
Assistant Professor - Automotive Collision and Repair
A.S. - San Bernardino Valley College

Alvarez, Vicente (2009)
Associate Professor - Mathematics
Ph.D. - University of California, Riverside
M.S. - University of California, Riverside
B.S. - University of California, Riverside

Andersen, Leif (2021)
Associate Professor - Physics
D.Phil. - University of Oxford
M.S. - California State University, Los Angeles
B.S. - University of California, Santa Barbara

Anemelu, Victoria (2006)
Professor - Mathematics
Ph.D. - University of Nigeria
M.Ed. - University of Nigeria
B.Sc. - University of Nigeria

Arnold, Anita (2022)
Associate Professor - Nursing
M.S.N.Ed. - Western Governors University
B.S.N. - Western Governors University
B.A. - Whittier College
A.D.N. - Victor Valley College

Assumma, Michael J. (2002)

Associate Professor - Business Administration
M.B.A. - California State University, San Bernardino
B.S. - California Polytechnic University, Pomona

Avelar, Amy (2009)
Professor - Chemistry
Ph.D. - University of California, Riverside
M.S. - University of California, Riverside
B.S. - University of California, Riverside
A.A. - San Bernardino Valley College

Aycock, Monique (2023)
Counselor, Assistant Professor, Learning Disability Specialist - Student Accessibility Services (SAS)
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino
A.A. - San Bernardino Valley College

Banola, Erwin (John) (2009)
Associate Professor - Kinesiology & Health
M.S. - California State University, Northridge
B.A. - California State University, Northridge
A.S. - Pierce College

Banuelos, Elizabeth (2016)
Counselor, Associate Professor - Counseling Center, Puente Co-Coordinator
M.S. - University of Redlands
B.A. - University of California, Riverside
A.A. - San Bernardino Valley College

Barnett, Kellie (2004)
Professor - Child Development
M.S. - University of La Verne
B.S. - California State University, San Diego

Batalo, Mandi (2006)
Professor - Art
Ed.D. - Fielding Graduate University
M.A. - University of Oklahoma
M.A. - California Polytechnic University, Pomona
B.A. - California State University, San Bernardino

Bautista, Rui Hayashi (2024)
Assistant Professor - Mathematics
M.S. - California Polytechnic University, Pomona
B.S. - California Polytechnic University, Pomona
A.A. - Riverside City College

Beebe, Yvonne (1999)
Professor - Mathematics
M.S. - University of California, Riverside
B.S. - University of California, Riverside

Begg, Erica (2020)
Career and Transfer Counselor, Assistant Professor - Transfer and Career Services
M.S. - University of La Verne
B.A. - University of California, Riverside

Beshwate, Keith
Assistant Professor - English
M.F.A. - University of California, Riverside
B.A. - University of California, Riverside

Blacksher, Anthony (2016)
Professor - Sociology & Ethnic Studies
Ph.D. - Claremont Graduate University
M.A. - California State University, San Marcos
B.A. - California State University, San Marcos

Bouzidi, Djemoui (2022)
Associate Professor - Physics
Ph.D. - University of California, San Diego
M.S. - University of California, San Diego
B.S. - Université de Constantine, Algeria

Brewer, Quincy (2007)
Associate Professor, Head Coach - Men's Basketball - Kinesiology & Health

M.A. - University of Phoenix
M.A. - Azusa Pacific University
B.A. - Arizona State University

Brown, Robert D. (2006)
Professor - English
Ed.D. - Azusa Pacific University
M.A. - Pepperdine University
B.A. - University of Redlands

Buffong, Keynasia (2016)
Coordinator, Associate Professor - Transfer and Career Services
M.S.W. - California State University, San Bernardino
B.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino
A.A. - Riverside City College

Burns-Peters, Davena (2014)
Professor - Modern Languages (American Sign Language)
B.V.E. - California State University, San Bernardino
A.S. - Riverside City College
A.A. - Loma Linda University

Cacho, Bryce (2017)
Associate Professor - Welding Technology
M.A. - California State University San Bernardino
B.S. - California State University San Bernardino
A.S. - Victor Valley Community College

Caldwell-Betties, Melita (2012)
Associate Professor - Water Supply Technology
M.P.A. - California State University, San Bernardino
B.S. - University of Redlands

Carlos, Christopher (CJ) (2019)
Assistant Professor - Administration of Justice
Ed.D. - Pepperdine University
M.A. - Azusa Pacific University
B.A. - Azusa Pacific University

Carter, Yancie (2015)
Matriculation Coordinator, Counselor, Associate Professor - General Counseling
Ed.D. - La Sierra University
M.A. - Argosy University
B.A. - Roosevelt University
A.A. - Southeastern College

Castro, Anthony (2015)

Professor - Mathematics
M.S. - University of California, Riverside

Che, Yon (2004)
Associate Professor - Modern Languages (Spanish)
M.A. - University of California, Los Angeles
B.A. - University of California, Los Angeles

Chou, Jesse (2019)
Associate Professor - Computer Science
M.S. - University of Massachusetts
B.A. - University of Massachusetts

Cisneros, Maribel (2016)
Counselor, Associate Professor - EOPS/CARE/NextUp
M.A. - University of Redlands
B.A. - University of California, Riverside
A.A. - Riverside City College

Clevenger, Joanna (2025)
Assistant Professor - English
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino
A.A. - San Bernardino Valley College

Colbert, Timothy (2023)
Assistant Professor - Art
M.F.A. - Academy of Art University
B.A. - California State University, San Bernardino

Copeland, Mary (2007)
Professor - English
M.F.A. - University of California, Riverside
B.A. - California State University, San Bernardino
A.A. - Riverside City College
A.S. - Riverside City College

Cruz, Alexander (2019)
Associate Professor - Automotive Technology
B.A. - Universidad del Sagrado Corazón

Cuny, Lucas (2018)
Associate Professor - Film, TV, and Media
M.F.A. - California State University, Fullerton
B.A. - Columbia College-Hollywood
B.S. - California State University, Dominguez Hills

Daily, Richard (2025)
Assistant Professor - History and Ethnic Studies
Ph.D. - Pennsylvania State University
M.A. - Pennsylvania State University
B.A. - University of Redlands

Damgen, Carol (2022)
Associate Professor - Communication Studies
M.F.A. - University of California, Riverside
M.A. - California State University, San Bernardino
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Demsky, Jeffrey (2011)
Professor - Political Science
Ph.D. - University of Florida
M.A. - American University
B.A. - S.U.N.Y. Albany

Du Bois-Eastman, Kim (2013)
Associate Professor - Psychiatric Technology
M.S.N. - Loma Linda University, Loma Linda
C.N.S. - Loma Linda University, Loma Linda
B.S.N. - California State University, Dominguez Hills
B.S. - University of Redlands
A.D.N. - Saddleback College

Dunn, Frank (1999)
Counselor, Associate Professor - General Counseling
M.P.A. - University of La Verne
M.A. - University of Redlands

Durian, Norma (2025)
Reference Librarian, Assistant Professor - Library and Learning Support Services
M.L.I.S. - San Jose State University
B.A. - University of California, Riverside

Estrada, Laura (2018)
College Nurse, Associate Professor - Student Health Services
M.P.H., A.T. - Still University
B.S.N. - Azusa Pacific University
A.D.N. - Mount St. Mary's University
P.H.N. - Azusa Pacific University

Fogle, Melinda (2012)
Professor - Theatre Arts
Ph.D. - Bowling Green State University
M.A. - University of Kentucky
B.F.A. - Miami University

Foscolos, Espree (2021)
Associate Professor - Nursing
D.N.P. - California Baptist University
M.S.N. - Western Governors University
B.S.N. - Western Governors University
A.D.N. - San Bernardino Valley College

Fozouni, Daihim (2014)
Professor - English
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Frias, Mayra (2025)
Assistant Professor - English
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino
A.A. - San Bernardino Valley College

García, Armando A. (2020)
Counselor, Assistant Professor - General Counseling
M.S.C. - California State University, Long Beach
G.C.C.C. - California State University, Long Beach
B.A. - California State University, Domínguez Hills
B.A. - California State University, Domínguez Hills
A.A. - Long Beach City College

García, Jaime (2022)
Associate Professor - Communication Studies
M.A. - California State University, Los Angeles

Gary, Lindsay (2025)

Assistant Professor - Ethnic Studies
Ph.D. - Temple University
M.F.A. - University of the Arts
M.A. - Texas Southern University
eM.P.A. - Texas Southern University
B.A. - University of Houston

Ghazaleh, Rema (2021)
International Student Counselor and Designated School Official (DSO), Associate Professor - International Student Program
M.A.Ed., P.P.S. - Azusa Pacific University
B.A. - California State University, San Bernardino
A.S. - Chaffey College

Gilbert, Jeremiah (2005)
Professor - Mathematics
Ph.D. - Capella University
M.A. - University of California, Riverside
B.A. - California State University, San Bernardino

Giles, Keenan (2015)
Counselor, Associate Professor - EOPS/CARE/NextUp
M.S. - San Diego State University
B.S. - San Diego State University

Gomez, Edward (1998)
Professor - History
M.A. - University of California, Riverside
B.A. - California State University, Los Angeles
A.A. - Los Angeles City College

Gomez, Fernando (2021)
Associate Professor - Biology
Ph.D. - University of California, Los Angeles
B.A. - University of California, Los Angeles

Gonzales, Pedro (2020)
Counselor, Assistant Professor - Adult Education Program
M.A. - University of Redlands
B.A. - California Polytechnic University, Pomona

Gonzalez, Francisco (2023)
Assistant Professor - Aeronautics
M.Ed. - California Baptist University
B.S. - California Baptist University

Gordon, Jessica (2024)
Assistant Professor - Music
M.M. - California State University, Los Angeles
B.A. - University of California, Irvine

Gregory, Leslie (2004)
Counselor, Associate Professor - CalWORKS
M.A. - Point Loma Nazarene University
B.A. - California State University, San Bernardino

Halabi, Tarif H. (2013)
Associate Professor - Electricity/Electronics
M.S. - California State University, Fullerton
B.S. - California State University, Los Angeles

Hamdy, Rania (2013)
Professor - Communication Studies
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino
A.A. - San Bernardino Valley College

Hassanzadah, Ali (2019)
Associate Professor - Mathematics
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Hassanzadah, Mehgan (2023)
Assistant Professor - Biology
PharmD. - Touro University California
M.S. - University of California, Riverside
B.S. - University of California, Riverside

Hauge, Kristin (2008)
Associate Professor - Kinesiology & Health
M.A. - Azusa Pacific University
B.S. - California State Polytechnic University, Pomona
A.A. - Pasadena City College

Hecht, Andrea (2016)
Counselor, Professor - General Counseling
M.S. - University of La Verne
B.A. - California State University, San Bernardino

Heibel, Todd (2004)
Professor - Geography
Ph.D. - Pennsylvania State University, University Park
M.A. - University of Missouri, Columbia
B.S. - University of Missouri, Columbia

Henkle, Lisa (2016)
Professor - Political Science
Ph.D. - Liberty University
D.P.A. - University of La Verne
M.A. - Arizona State University
M.P.A. - California Baptist University
B.S.A. - California Baptist University

Hinrichs, Sr., Guy (2000)
Associate Professor - Automotive Technology
B.S. - Southern Illinois University
A.A. - Crafton Hills College

Hogan, Ryan (2024)
MAP/CPL Counselor, Assistant Professor
M.A. - University of Redlands
B.A. - California State University, San Bernardino

Holder, Patricia (2008)
Professor - Kinesiology & Health
M.A. - Azusa Pacific University
B.S. - San Diego Christian College
Fitness Specialist - San Diego City College

Israeil, Abier (2005)
Associate Professor - Mathematics
Ph.D. - Capella University
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Jackson, MiChelle (2021)
Associate Professor - Psychiatric Technology
M.S. - Grand Canyon University
B.S. - Grand Canyon University

L.P.T. - Mt. San Antonio College

Jaime, Jazmin (2024)
Assistant Professor - Automotive Technology
B.S., California State University, Los Angeles
A.S., Riverside City College

Jakpor, Riase (2013)
Professor - Political Science
Ph.D. - University of Michigan, Ann Arbor
M.B.A. - University of California, Riverside
M.A. - University of Michigan, Ann Arbor
B.A. - University of Michigan, Ann Arbor

Jaramillo, Richard (1999)
Associate Professor - Automotive Technology
A.A. - Cerritos College

Jefferson, Kimberly D. (2008)
Professor - Education, Reading and Literacy
M.A. - Arizona State University
M.A. - California State University, San Bernardino
M.A. - Pepperdine University
B.A. - University of Southern California
A.A. - Compton College

Jimenez, Nicole (2017)
Counselor, Associate Professor - Nursing
M.S. - California State University, San Bernardino
B.A. - Whittier College

Johnson, Dominique (2019)
Counselor, Assistant Professor - General Counseling
M.A., P.P.S. - University of Redlands
B.A. - Fisk University

Johnson, Kimberly (2016)
Counselor, Assistant Professor - Middle College Program
M.A. - University of Redlands
B.A. - University of La Verne

Jones, Carol (2016)
Professor - Chemistry
Ph.D. - University of California, Riverside
M.S. - University of California, Riverside
B.S. - University of California, Riverside

Jones, Edward (EJ) (2006)
Professor - English
M.F.A. - University of California, Riverside
M.A., B.A. - University of California, Riverside

Jones, Patricia (2007)
Counselor, Associate Professor - General Counseling
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Joshua, Judy (2016)
Associate Professor - English
Ph.D. - University of California, Irvine
M.A. - California State University, Los Angeles
B.S. - University of California, Berkeley

Kanawati, Moustafa (2007)
Associate Professor - Mathematics
M.S. - Southern Illinois University at Edwardsville
B.A. - Saint Louis University

Kappattil, Reshmi (2021)
Associate Professor & Faculty Co-Chair - Nursing
D.N.P. - Grand Canyon University

Khokher, Parul (2024)
Assistant Professor - Economics
Ph.D. - Suffolk University
M.A. - Jamia Millia Islamia University
B.A. - Delhi University

King, Melissa (2013)
Professor - Anthropology and Global Studies
Ph.D. - University of California, Riverside
M.A. - University of California, Riverside
M.A. - Fuller Theological Seminary
B.A. - University of Alabama at Birmingham

Knight, Denise (1995)
Professor - Child Development
M.A. - Pacific Oaks College
B.A. - Pacific Oaks College
A.A. - Monterey Peninsula College

Lambrou, Nicole (2022)
Associate Professor - Architecture
Ph.D. - University of California, Los Angeles
M.Arch. - Yale University
B.A. - Binghamton University

Lechuga, Thomas (2021)
Associate Professor - Biology
Ph.D. - University of California, Irvine
B.S. - University of Redlands

Lee, Dirkson (2006)
Professor - English/ESL
Ed.D. - California State University, Fullerton
M.A. - California State University, San Bernardino
B.A. - University of California, Riverside

Lee, Steven (2016)
Associate Professor - Accounting
M.B.A. - California State University, San Bernardino

Lee, Yvette (1999)
Professor - English
M.A. - Andrews University
B.A. - University of Colorado at Boulder

Lemieux, Jessy (2015)
Professor - Chemistry
Ph.D. - University of California, Riverside
M.S. - University of California, Riverside
B.S. - University of California, Riverside

López, Alma Guadalupe (2012)
Professor - English, Puente Co-Coordinator
M.A. - University of California, Riverside
B.A. - University of California, Santa Cruz
A.A. - San Bernardino Valley College

López, Leonard (2001)

Associate Professor - Philosophy/Religious Studies
J.D. - Stanford University
M.A. - California State University, Los Angeles
B.A. - University of California, Los Angeles

Lopez, Maria (2018)
Counselor, Assistant Professor - Adult Education, Noncredit, and ESL Program.
Ed.D. - California State University, Fullerton
M.S., P.P.S. - University of La Verne
B.S. - University of California, Riverside
A.A. - Rio Hondo College

Lopez Belanos, Mario (2026)
Assistant Professor - Heavy/Medium Duty Truck Technology
A.S. Santa Ana College

Luke, Sr., Craig (2015)
Counselor, Associate Professor - First Year Experience (FYE)
Ph.D. - Universidad Central De Nicaragua
Ph.D. - Bethel Christian College, Riverside
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Luna, Evelyn (2016)
Counselor, Assistant Professor - EOPS/CARE/NextUp
M.A. - University of Redlands
B.S. - California State University, Fullerton
A.A. - Mt. San Antonio College

Lyons, Kevin (2025)
Assistant Professor - Film, TV, Media
M.F.A. - California State University, Fullerton
B.A. - California State University, San Bernardino

Mahpar, Shelly (2025)
Assistant Professor - Music (Instrumental)
M.F.A. - California Institute of the Arts
B.M. - University of Southern California

Major, Brandy (2025)
Reference Librarian, Assistant Professor - Library and Learning Support Services
M.L.I.S. - San Jose State University
B.A. - California State University, San Bernardino

Marquez, Evelyn (2026)
Assistant Professor, Counselor - Student Accessibility Services (SAS)
M.A. - California State University, San Bernardino
B.S. - University of La Verne

Martin, David (2018)
Associate Professor - Mathematics
Ph.D. - University of California, Merced
M.A. - California State University, Fresno
B.S. - University of California, Davis

Martin, Micah (2016)
Associate Professor - Modern Languages
M.A. - Indiana State University
B.A. - University of California, Santa Barbara

Matavao, Ulavale (2023)
Counselor, Assistant Professor - First Year Experience, Valley Bound Commitment, D.E.E.P
M.S. - California State University, San Bernardino
B.S. - Florida International University
A.A. - Mt. San Antonio College

Mattson, Haly (2026)
Assistant Professor, Counselor - EOPS/CARE
M.A. - University of Redlands
B.A. - San Francisco State University

Mattson, Susan (2011)
Professor - Communication Studies
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Metu, Reginald (2002)
Professor - Computer Information Technology
Ed.D. - Alliant International University, San Diego
M.A. - California State Polytechnic University, Pomona
B.S. - California State Polytechnic University, Pomona

Meyer, Stacy (2005)
Associate Professor - Culinary Arts
M.A. - University of Redlands
B.S. - University of Redlands
A.O.S. - Culinary Institute of America

Michel, Fili (2022)
Counselor, Assistant Professor - Adult Education, and ESL Program
Ed.D. - University of La Verne
M.S., P.P.S. - University of La Verne
M.S. - University of Oregon
B.A. - Argosy University
A.S. - Chaffey College

Milligan, Joshua (2016)
Associate Professor - Welding Technology
A.S. - San Bernardino Valley College

Mills, Amy (2022)
Associate Professor - English
M.A. - California State University, Fullerton
B.A. - California State University, Fullerton

Moeung, Botra (2016)
Transfer Counselor, Associate Professor - Transfer and Career Services
Ed.D. - La Sierra University
M.S. - California Baptist University
B.S. - University of California, Riverside
A.A. - Riverside City College

Moneymaker, Melinda (2009)
Associate Professor - Human Services
B.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino
A.A. - San Bernardino Valley College

Moore, Sandra (1990)
Professor - Psychology
Ph.D. - University of California, Santa Cruz
M.S. - University of California, Santa Cruz
B.A. - Northwestern University

Murillo, Joan (2011)
Professor - Biology
M.S. - California State University, Fullerton

B.S. - University of Wisconsin, Stevens Point

Murphy, Joel (2015)
Associate Professor - English
Ed.D. - Nova Southeastern University
M.A. - Easter Michigan University
B.A. - Reed College
B.A. - Portland State University

Nader, Gergis (2022)
Assistant Professor - Art
Ph.D. - Helwan University, Cairo
M.S. - Helwan University, Cairo
B.S. - Helwan University, Cairo

Nelson, Brandy (2016)
Associate Professor - Human Services
M.B.A. - University of Phoenix
B.A. - California State University, San Bernardino

Notarangelo, Joseph (2006)
Professor - English
M.A. - California State University, San Bernardino
B.A. - University of California, Los Angeles

Notarangelo, Maria (2019)
Librarian, Associate Professor - Library and Learning Support Services
M.L.I.S. - California State University, San Jose
M.A. - California State University, San Bernardino
B.A. - University of California, Santa Cruz

Ontiveros, Doris (2023)
Assistant Professor - Pharmacy Technology
B.S. - La Sierra University

Orozco, Debbie (2015)
Counselor, Associate Professor - General Counseling
M.A. - University of Redlands
B.A. - California State University, San Bernardino
A.A. - San Bernardino Valley College

Ortiz, Miguel (2016)
Associate Professor - Machinist Technology
A.S. - San Bernardino Valley College

Parker, Garry (2022)
Associate Professor - Water Supply Technology
M.B.A. - Webster University
M.A.P.S. - Azusa Pacific University
B.A. - Webster University
B.S. - Horizon College

Pave, Adam (2017)
Professor - Philosophy/Religious Studies
Ph.D. - Claremont Graduate University
M.A. - Claremont Graduate University
M.A. - University of Hawaii
M.A. - West Chester University

Pearson, Danielle (2019)
Associate Professor - Psychology
Ph.D. - University of Stirling, Scotland
M.S. - University of Stirling, Scotland
B.A. - University of California, Riverside

Perez, Ebony (2024)
Assistant Professor - Mathematics
M.A. - Rice University
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Peterkin, Natalie (2025)
Assistant Professor - English
M.A. - California Polytechnic University, Pomona
B.A. - University of California, Los Angeles

Pires, Romana (2007)
Professor - Sociology
M.A. - California State University, Fullerton
M.S. - California State University, Fullerton
B.A. - California State University, Long Beach

Qader, Amanda (2024)
Assistant Professor - Mathematics
M.A. - California State University, Fullerton
B.A. - California State University, Fullerton

Rascon, Mary (2022)
Associate Professor - Nursing
M.S. - University of Phoenix

Recinos, Jose (2004)
Associate Professor - Modern Languages (Spanish)
Ph.D. - University of California, Davis
B.A. - University of California, Davis

Romero, Melissa (2023)
Assistant Professor - Biology
M.S. - California State University, Los Angeles
B.S. - California State University, Fullerton

Robles, Matthew (2016)
Associate Professor - Geology
M.S. - University of California, Riverside
B.S. - California State University, San Bernardino
A.A. - College of the Desert

Sacdalan, Alvin (2019)
Associate Professor - Mathematics
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Salyer, Jamie (2013)
Counselor, Associate Professor - General Counseling
M.S. - University of La Verne
B.S. - California State University, San Bernardino
A.S. - Chaffey College

Sanchez, Irene (2023)
Assistant Professor - Ethnic Studies
Ph.D. - University of Washington
M.Ed. - University of Washington
B.A. - University of California, Santa Cruz
A.A. - Riverside City College

Seeger, Christine (2025)
Assistant Professor - Geography and GIS
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino
A.S. - Moreno Valley College

A.A. - Moreno Valley College

Sepulveda, Marissa (2024)
Assistant Professor - Nursing
FNP-C - Chamberlain University
M.S.N. - Chamberlain University
B.S.N. - Chamberlain University
A.D.N. - Chamberlain College of Nursing

Shea, Edward (2021)
Associate Professor - English
M.F.A. - California State University, Long Beach
B.A. - California State University, San Bernardino

Simpson, Tahirah (2014)
Counselor, Associate Professor - General Counseling
M.S. - National University
B.A. - California State University, San Bernardino
A.A. - San Bernardino Valley College

Slusser, Michael (2002)
Associate Professor - English
M.A. - University of Toronto
M.F.A. - Eastern Washington University
B.A. - University of California, Riverside

Smalls, Hayley (2022)
Associate Professor - Biology
M.S. - Washington State University
B.S. - Washington State University

Smith-Morton, Daniele (2012)
Counselor, Associate Professor - STEM/Umoja-Tumaini
Ed.D. - La Sierra University
M.F.T. - Hope International University
B.A. - Hope International University

Sobhanian, Soha (2016)
Professor - Biology
Ph.D. - Curtin University, Perth
M.S. - California State University, Fullerton
B.S. - California State University, Fullerton

Stalbert, Malik (2016)
Associate Professor - Computer Information Technology and Computer Science
Ph.D. - Capella University
M.S. - University of West Georgia
B.S. - American InterContinental University
A.A. - San Bernardino Valley College

Strong, Teri (1994)
Professor - Mathematics
Ph.D. - Capella University

Tasaka, Bethany (2017)
Professor - Mathematics
M.A. - California State University, San Bernardino
B.A. - California State University, San Bernardino

Taylor, Rutina (2023)
Counselor, Assistant Professor - Umoja-Tumaini
M.A. - California State University, Dominguez Hills
B.A. - California State University, Dominguez Hills

Tinoco, Michelle (2017)
Counselor, Associate Professor - General Counseling
M.A. - University of Redlands
B.A. - California State University, San Bernardino
A.A. - San Bernardino Valley College

Tolstova, Anna (2014)
Associate Professor - Physics
M.S. - Byelorussian State University, Belarus

Torres, Christina (2016)
Associate Professor - Kinesiology & Health
M.A. - Azusa Pacific University
B.A. - California State University, Northridge

Torrez, Michael (2007)
Professor - Chemistry
Ph.D. - Grand Canyon University
M.S. - California Polytechnic University, Pomona
B.S. - California Polytechnic University, Pomona

Vasquez, Tatiana (2009)
Professor - Biology
M.S. - University of North Carolina, Chapel Hill
B.S. - University of California, Riverside

Vazquez Valdez, Oscar (2024)
Assistant Professor - Nursing
M.S.N.-ED - Western Governors University
B.S.N. - Western Governors University
A.D.N. - San Bernardino Valley College

Vogel, Angela M. (2021)
Associate Professor - Nursing
M.S.N.Ed. - Colorado Technical University
B.S.N. - Grand Canyon University
A.D.N. - Riverside City College

Wagner, Tamara (2025)
Assistant Professor - Child Development
M.A. - Fielding Graduate University
M.A. - Pacific Oaks College
B.A. - University of California, Riverside
A.A. - San Bernardino Valley College

Wang, Wei-Chung (2022)
Associate Professor, Economics
Ph.D. - University of California, Irvine
M.A. - University of California, Irvine
B.A. - Shih Hsin University (Taipei, Taiwan)

Weber, Abena (2015)
STEM Counselor, Associate Professor
Ed.D. - University of Wisconsin, LaCrosse
M.S. - Loyola University, Maryland
M.S. - Drexel University
B.S. - Morgan State University

Wilkins, Janice (2015)
Articulation Officer/Counselor, Professor - General Counseling
M.S. - University of La Verne
B.A. - California State University, Long Beach

Woodland, Sydnee (2024)
Assistant Professor - Accounting

M.S.T. - Golden Gate University
B.A. - California State University, San Bernardino

Wooten, André (2005)
Athletic Counselor, Associate Professor - The Huddle: Student Athletic Academic Center
M.S. - University of New Mexico
B.A. - University of New Mexico
A.A. - Cerritos College

Zarate, Rangel Velez (2021)
Associate Professor - English
M.A. - California State University, San Bernardino
B.S. - California State University, San Bernardino

Adjunct Faculty

In addition to the regular full-time contract faculty, San Bernardino Valley College has quality adjunct faculty in each division who come from industry, business and other educational institutions to provide a faculty with many talents to support diversified and exemplary programs demanded and expected of a community college.

Administrative Emeriti

Bancroft, John Assistant Dean, Student Development
Jensen, Arthur M. President
Pszczola, Lorraine A. Administrative Dean, Student Affairs
Russell, Lionel H. Director of Counseling
Singer, Donald L. President

Faculty / Professor Emeriti

Faculty/Professor Emeritus is a recognition bestowed by the Academic Senate to recognize our retiring academic colleagues for their service to the college, students, and peers; as well as an acknowledgment that their service will not be forgotten after they leave the college.

Adams, Kathryn - Child Development
Aguilar-Kitibutr, Ailsa - Counseling
Alblinger, Diane - English
Alexander, Horace - English
Anderson, Diana J. - English
Anderson, Willard - Accounting
Andriese, Jacob (Jack) - Music
Ashton, Judith - English
Atzet, Raymond - Architecture
Avila, Diana - Mathematics
Bastedo, David - Biology
Battle, Eileen F. - Nursing
Berry, Anita - Nursing
Berry, John W. - Art
Berry, Thomas - Communication Studies
Bruno, Frank - Psychology
Burningham, Robert - Communications
Burson, Thurmon - Career Center
Busselle, Carlos (Buzz) - Electronics
Calderon, Colleen - History
Chamberlain, Thomas K. - English
Clarke, William - Machine Trades
Cook, Carol - Biology
Cunningham, William E. - Astronomy
Dahlgren, Ingrid - Physical Education
Danley, Jay - Communication Studies
Diers, Cleon - Mathematics
Drewes, Glenn - Biology
Dulgeroff, James "JD" - Economics
Dusick, Diane - Radio, Television, and Film
Evans-Perry, Ginny - Library
Ferri-Milligan, Paula - English
Flanders, Jacqueline - Physical Education
Free, Sheela - English
Gamboa, Darlene - Biology
Gates, Dorothy L. - Sociology
Gomez, Laura - Counseling
Gordon, Esther H. - Child Development
Green, Jan - Health Services
Grutsis, Paul - Economics
Harmeyer, Arthur R. - Physics
Harvey, Robert A. - Biology/Botany
Hearn, Lily G. - English
Hunt, Sharon I. - Office Information Systems
Hunter, Diane - English
Huston, Celia - Library and Learning Support Services
Ikeda, Mark - Biology
Jacobsen, Patricia - Reading
James, Henry A. - Computer Science
Kondor, Albert - Anthropology/German
Korzillius, Lillian L. - Family/Consumer Science
Lamore, Joel - English
Lanto, Enid G. - Library
Lardy, Leonard A. - English
Lawler, Kenneth - Kinesiology
Lawrence, David - Humanities
Lewis, Bennett H. - Data Processing
Lewis, John E. - Microbiology
Lillard, Sheri - Chemistry
Lopez, Frank - Aeronautics
Lysak, Michael - Physics
Malottke, Erna - Secretarial
Marquis, Jeanne - Counseling
Martin, Juliann - Child Development
Martin, Livio C. - Aeronautics
Mason, Dorothy M. - Nursing
Maul, Terry - Psychology
Mazzei, Gene - Physical Education
McKie, Bill - English
Mestas, Marie - Library and Learning Support Services
Michaelis, Kenneth - Biology
Mitchell, Jack - English
Moreno, Dolores - English
Neuhaus, Clemens - English
Newlee, Anne Georgie - Physical Education
Nunez, Ida - Nursing
Okamura, Judy - Chemistry
Olsen, John (Jack) - Anatomy/Physiology
Olson, John - Biology
Paszkiewicz, Robert - Psychiatric Technology
Perez, Edward - English
Peterson, Frank P. - Administration of Justice
Purkart, Susan A. - Reading/Study Skill
Rippy, Robert H. - English
Roberts, J. Lynn - Automotive
Runyon, Cynthia - Physical Education
Sandlin, Stephen - Geography

Scantlin, Dorothy - Nursing
Schall, Donald - Business Administration
Schmidt, Roger - Philosophy/Religious Studies
Scott, Tom - Physical Education
Scully, Madeline "Matie" Manning - Music
Segovia, Eloise M. - Counseling
Sherman, Sylvia J. - History
Shimoff, Susan - Family/Consumer Science
Shodahl, Susan A. - Psychology
Smedley, Ron - Physical Education
Smith, Bob - Physical Education
Smith, David - Mathematics
Smith, Joyce - Counseling
Smith, Loren E. - History
Smith, Princie D. - Psychiatric Technology
Stafford, Robert - Mathematics
Stanfill, Peg - Counselor
Stanskas, John - Chemistry
Staude, Laurie - English
Stoddard, Wayne - Physical Science
Sturgeon, Rita - Mathematics
Szumski, Edward J. - Electronics
Thrasher, Marvin E. - Psychology
Tilton, Julie - English
Wall, Patti - Library
Whisler, Louise - Mathematics
Williams, Bruce G. - Automotive
Williams, Susan - Art
Wilson, Robert - Physics/Astronomy
Wright, Melvin L. - Business Administration/Business Math
Young, James E. - History/Religious Studies
Zaharopoulos, George - Political Science
Zepeda, Juan - Counseling
Zoumbos, Nickolas - Accounting

2026-2027 ACADEMIC CALENDAR

The 2026-2027 Academic Calendar (https://sbccd.edu/academic-calendars/) has information on start and end dates, holidays, and final exams.

Fall 2026 Semester

Date	Event
08/18/2026	Flex Day - No Classes
08/19/2026 - 08/21/2026	Faculty In-Service Day - No Classes
08/24/2026	Instruction Begins - First Day of Fall Semester
09/07/2026	Labor Day (Campus Closed)
11/11/2026	Veterans Day (Campus Closed)
11/23/2026 - 11/25/2026	Fall Break
11/26/2026 - 11/28/2026	Thanksgiving (Campus Closed)
12/12/2026 - 12/18/2026	Final Exams
12/18/2026	Instruction Ends
12/24/2026 - 01/03/2027	Winter Break (Campus Closed)

Spring 2027 Semester

Date	Event
01/12/2027	Flex Day - No Classes
01/13/2027 - 01/15/2027	Faculty In-Service Days - No Classes
01/18/2027	Martin Luther King Day (Campus Closed)
01/19/2027	Instruction Begins - First Day of Spring Semester
02/12/2027	Lincoln's Birthday (Campus Closed)
02/15/2027	Washington's Birthday (Campus Closed)
03/15/2027 - 03/20/2027	Spring Break
05/07/2027 - 05/13/2027	Final Exams
05/13/2027	Spring Semester Ends
05/14/2027	Commencement
05/31/2027	Memorial Day (Campus Closed)
06/17/2027	Juneteenth (Campus Closed)

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2026-2027 ACADEMIC CALENDAR

FALL 2026 AUGUST 24 – DECEMBER 18

REGISTRATION FOR CLASSES

	16-Week Session 08/24 - 12/18	8-Week Session:1 08/24 - 10/17	8-Week Session: 2 10/19 - 12/18
Application Period Begins (Open CCC)	October 01, 2025		
Registration Period Begins	April 06, 2026		
Instruction Begins	August 24	August 24	October 19
Final Examinations	December 12-18	October 12-16	December 12-18
Instruction Ends	December 18	October 16	December 18
Grades due from Faculty	**Grades are due 5 days after the last class.**		
2027 Commencement	May 14, 2027		

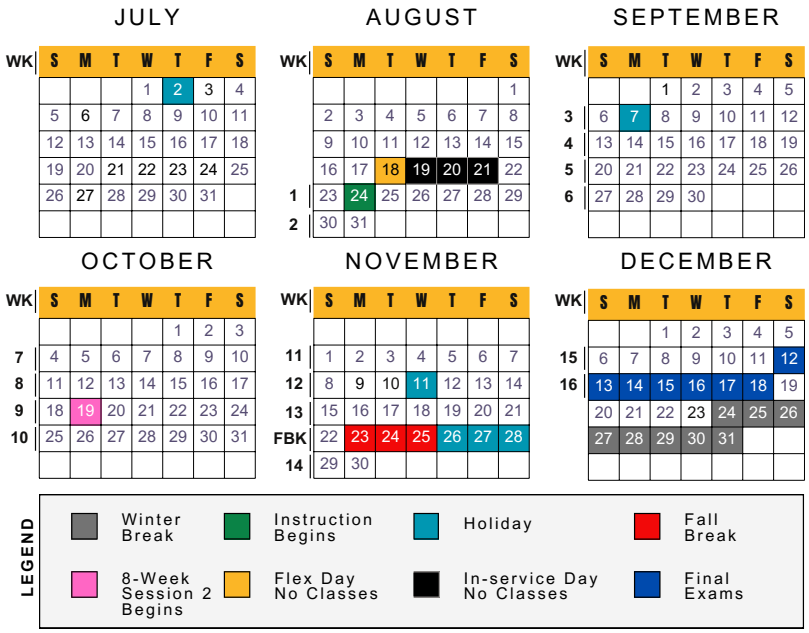
HOLIDAYS

Independence Day (Campus Closed)	July 4th, 2026 (Observed July 2)
Labor Day (Campus Closed)	September 7, 2026
Veterans Day (Campus Closed)	November 11, 2026
Thanksgiving (Campus Closed)	November 26-28, 2026
Winter Break (Campus Closed)	December 24, 2026 - January 3, 2027

Weekend classes meet after Friday holidays and before Monday holidays unless designated as a holiday on this calendar.

OTHER IMPORTANT DATES

Emergency Drill	TBD
Fall Census Date	September 14, 2026
Final Exams (Regular Classes)	December 12-18, 2026
Graduation apps due to Admissions & Records	September 30, 2026
Semester Ends	December 18, 2026



CAMPUS DRILLS

The Great CA ShakeOut Earthquake	October 15, 2026

INSTRUCTIONAL FLEX DAYS

Flex Day	August 18, 2026
Faculty In-Service	August 19-21, 2026

Updated: 7.19.2026

2026-2027 ACADEMIC CALENDAR

SPRING 2027 JANUARY 19 – MAY 13

REGISTRATION FOR CLASSES

	16-Week Session 01/19 - 05/13	8-Week Session:1 01/19 - 03/13	8-Week Session: 2 03/22 - 05/13
Application Period Begins (Open CCC)	TBD		
Registration Period Begins	TBD		
Instruction Begins	January 19	January 19	March 22
Final Examinations	May 07 -13	March 05-12	May 07-13
Instruction Ends	May 13	March 12	May 13
Grades due from Faculty	**Grades are due 5 days after the last class.**		
2027 Commencement	May 14, 2027		

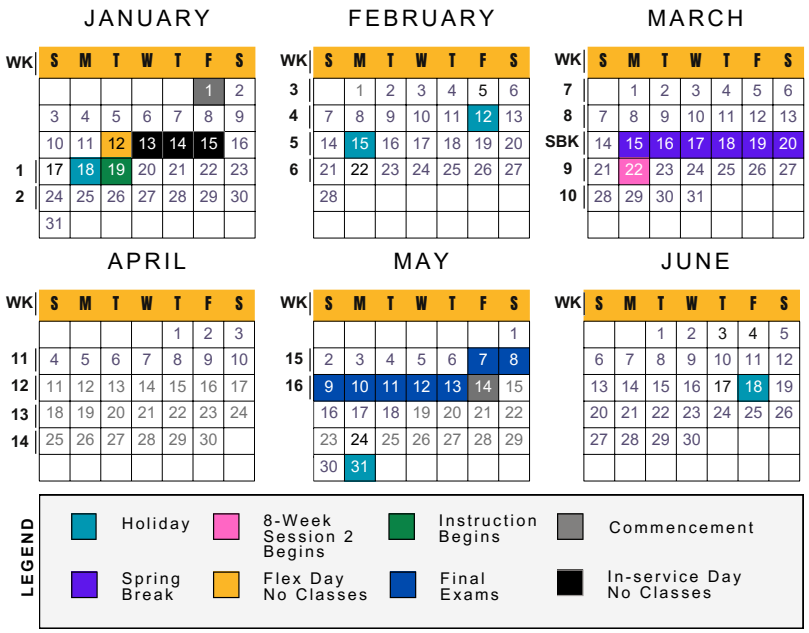
HOLIDAYS

Martin Luther King, Jr. Day (Campus Closed)	January 18, 2027
Lincoln's Birthday (Campus Closed)	February 12, 2027
Washington's Birthday (Campus Closed)	February 15, 2027
Memorial Day	May 31
Juneteenth	June 19, 2027 (Observed June 18)

Weekend classes meet after Friday holidays and before Monday holidays unless designated as a holiday on this calendar.

OTHER IMPORTANT DATES

Instruction Begins	January 19, 2027
Spring Census Day	February 8, 2027
Final Exams (Saturday Classes)	May 8, 2027
Final Exams (Regular Classes)	May 07-13, 2027
Graduation apps due to Admissions & Records	February 26, 2027
Semester Ends	May 14, 2027
Summer Session (VPIs will confirm)	Starts May 24, Ends August 13



CAMPUS DRILLS

INSTRUCTIONAL FLEX DAYS

Flex Day	January 12, 2027
Faculty In-Service	January 13-15, 2027

Updated: 7.19.2026

San Bernardino Valley College

701 South Mount Vernon Avenue
San Bernardino, CA 92410
valleycollege.edu | (909) 384-4400

Student Parking Lot Entrance | Bike Racks | Baby Changing Station | Lactation Room

AD/SS	Administration & Student Services (Note: AD rooms are located in AD/SS)	**LCCC**	Lois Carson Campus Center
ART	Art Center	**LIB**	Library
AT	Applied Technology	**MC**	Media & Communications
AUD	Auditorium	**MAINT**	Maintenance
B	Business	**MCHS**	Middle College High School
BOOK	Bookstore	**NH**	North Hall
CDC	Child Development Center	**PL**	George F. Beattie Planetarium
GT	Greek Theatre	**PS**	Physical Sciences
GYM	Kinesiology & Athletics Complex	**SHS**	Student Health Services
HLS	Health & Life Sciences	**T**	Technical Building
		V	The Village

Revised 02-2026