

Automotive Technology Career



Fast Track to an Automotive Technology Career at San Bernardino Valley College

“Tesla Model S chassis. Instructors at Roundtable event with Tesla Motors discussing innovations in automotive technology and how they use technicians”

Past and Projected Job Openings and Earnings

Advanced Transportation Occupations in Region	2019 Jobs	2019 – 2024 % Gain	Annual Openings	Over 5 Years	Earnings	
					Entry Hourly	Median Hourly
Automotive Service Technicians and Mechanics	12,746	4%	1,353	6,765	\$13.75	\$19.32
Automotive Body and Related Repairers	1,716	7%	195	975	\$13.86	\$18.24
Tire Repairers and Changers	1,766	0%	198	990	\$12.75	\$14.43
Bus and Truck Mechanics and Diesel Engine Specialists	4,024	8%	458	2,290	\$17.90	\$23.55
Mobile Heavy Equipment Mechanics, Except Engines	1,954	7%	229	1,145	\$25.97	\$30.16

Auto Technician Career Path

Most employers prefer to hire employees who have completed a vocational or community college automotive technical program.

Careers	Education Required	Salary Range
Manufacturer Corporate Employment	BA Degree Preferred/Required + Automotive Technical Degree/Certificate	\$82,000–\$89,800
General Manager Service Department	AA Degree in Business + Auto Management Classes + Auto/Technical Background	\$71,800–\$78,580
Service Writer	AA Degree in Business + Auto Management Classes + Auto/Technical Background	\$46,000–\$50,200
Senior Tech	ASE Certified Master Tech + AS Degree in Automotive Technology	\$36,300–\$39,530
Technician	ASE Certifications + Auto Technology Certificate	\$29,000–\$32,000
Entry Level	Quick Service Installer Program or Auto 100	\$25,000–\$29,000

San Bernardino Valley College

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Automotive Certificates of Achievement

- Automatic and Manual Transmission
- Automotive Technician
- Engine Performance
- Preventative Maintenance Technician
- Wheel Alignment and Brakes
- Automotive Clean Vehicle Technology (in process)

Automotive Associate of Science Degrees

- Automatic and Manual Transmission
- Automotive Technician
- Engine Performance
- Wheel Alignment and Brakes

Automotive Collision Certificates of Achievement

- Advanced Automotive Collision, Repair and Refinishing
- Automotive Interiors
- Basic Automotive Collision Repair and Refinishing
- Street Rod Construction

Automotive Collision Certificates of Completion

- Automotive Interiors
- Street Rod Construction

Automotive Collision Associate of Science Degrees

- Advanced Automotive Collision Repair and Refinishing
- Basic Automotive Collision Repair and Refinishing

Heavy/Medium Duty Truck Certificates of Achievement

- Diesel Engine and Fuel Injection Technology
- Heavy/Medium Duty Clean Vehicle Technology
- Heavy/Medium Duty Diesel Truck Technology

Heavy/Medium Duty Truck Certificate of Completion

- Diesel Engine and Fuel Injection Technology

Heavy/Medium Duty Truck Associate of Science Degree

- Heavy/Medium Duty Diesel Truck Technology

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www.valleycollege.edu/academic-career-programs/degrees-certificates/automotive-tech



POWERED BY
California Community Colleges

Fast Track to an Automotive Technology Career

There are many paths to an automotive technology career. Our College offers the training necessary for a successful future in automotive technology. Choose from many different tracks, such as classes in auto mechanical general service to specialized service such as drive train, electric/hybrid systems, and engine performance.

Why Choose a Career in Automotive?

The median wage across our region for automotive service technicians and mechanics is \$40,900 annually, or \$19.32 hourly. To start, you only need to have a high school diploma, although most employers prefer to hire employees who have completed a post-secondary vocational or community college automotive technician training program.

Program Highlights

Our programs are supported by a wide variety of partners from both the state, college, and private industry. Most colleges offer specific corporate programs to ready you for a career in the auto industry. Our corporate programs include well-known companies such as General Motors, Ford, and Chrysler, as well as Imports.

Southern California is a great place to start your career in the automotive industry. Southern California is home to over 500 new car dealerships, and in addition many corporate offices are located here, including BMW, Chrysler, Ford, General Motors, Hyundai, Isuzu, Kia, Mazda, Suzuki, Toyota, and others! Plus, career enhancement opportunities exist for all graduates to progress within the dealer organization, including as a Service Manager, Parts Manager, and Service Advisor to name just a few.

Qualifications

For anyone planning ahead for a career in automotive technology, students are advised to take courses in English, mathematics, computer technology and auto and machine shop. To be successful, a high degree of mechanical ability as well as customer and personal service, engineering and technology knowledge, and critical thinking are necessary, as well as manual dexterity, auditory attention, and visualization.



Automotive technologies are becoming more advanced

Industry Sector Pathway:

Automotive/Advanced Transportation

Secondary Courses (Technical)	2-Year/Community College Programs	Pathway Options	Employment Opportunities
<p>Most H.S. Level Programs Organize Their Courses as Follows:</p> <p>Intro to Auto 1</p> <ul style="list-style-type: none">• Overall Systems• Basic Theory• Some Tires <p>Intro to Auto 2</p> <ul style="list-style-type: none">• Electronics/Electrical• Brakes <p>Intro to Auto 3</p> <ul style="list-style-type: none">• Suspension Chassis• Steering <p>M.L.R. Preparation</p> <ul style="list-style-type: none">• MLR 1, MLR2, MLR3 <p>Additional Opportunities Include:</p> <p>AYES Opportunity ASE Preparation ASE Student Certificate</p> <p>Secondary (Academic)</p> <p>Math</p> <ul style="list-style-type: none">• Measuring• Conversions• Angles <p>Reading Standard Documents & Instructions Communications Oral/Written Computer Applications Interpreting Diagrams & Charts Information Retrieval & Data</p>	<p>Most college Level Programs Organize Their Courses as Follows:</p> <p>ASE 1-9 ordered</p> <ul style="list-style-type: none">• Engine Repair• Auto Transmissions• Man. Transmissions• Suspension• Brakes• Electrical• A/C• Engine Performance• Diesel/Heavy Duty <p>Advanced Course Opportunities Include:</p> <p>Electric & Hybrid Technologies Alternative Fuels/CNG/LNG Emissions Testing On-Board Computer Systems Software Tech Networking Auto Machining Auto Body</p> <ul style="list-style-type: none">• Frame Repair• Paint• Welding & Cutting	<p>Which Path? More Education or Enter Workforce</p> <p>Community College Prep Programs</p> <p>Business Education</p> <ul style="list-style-type: none">• Business Plan• Supervision• Customer Service• Inventory Mgt.• Financial Mgt. <p>Transfer Preparation</p> <ul style="list-style-type: none">• Math• Physics• Gen. Ed• CSU/IGETC <p>4-Year Transfer/Degree</p> <ul style="list-style-type: none">• Business Management• Electrical Engineering• Mechanical Engineering• Software Engineering• Environmental Engineer	<p>Entry Level:</p> <p>Lube Tech Tire & Battery Service Porter (Lot) Parts Counter/Delivery Inspection Auto Body Tech Glass Installer Upholstery/ Interior Audio/Sound/Network Tuner Small Engine Repair Assemblers Emissions/Smog Check Tech HVAC Tech</p> <p>Middle Skill:</p> <p>Service Manager Shop Foreman Team Leader/Master Tech Quality Control Service Writers Cylinder Block Spec Cylinder Head Machining Machining (CNC) Motorcycle Mechanic Disassemblers Retail Dealer</p> <p>High Skill:</p> <p>Owner/Entrepreneur Data Acquisition/Analysis Tech Factory Engineering Tech Teacher Software Engineering High Performance Engineering</p>



Basic Skills for Employment

Reliable, Timely, Driver's License, Good Driving Record, Professional Clean Language, Honesty, Cell Phone Do's & Don'ts, Communication (Oral, Written, Body Language), Work Ethic, Interpersonal Skills, Responsibility "No Excuses", Team Work, Show Initiative, Don't Just Stand There!, Attitude, Job Search Skills, Eye Contact, Firm Handshake, Personal Presentation, Resume Writing

Skills

Are You Good At?

- Repairing Things
- Problem Solving
- Trouble Shooting
- Active Listening

Wondering How to Get Started?

We offer a variety of automotive certificates, and can help you on your way to achieving an AS degree as well with the addition of a few general education classes. Just pick your path and choose between day or night classes! Many certificates can be finished within a year, and financial aid and scholarships are available.

Automotive Information Links:

Automotive Youth Educational Systems
<http://www.ayes.org/>

National Automotive Technicians Education Foundation
<http://www.natef.org/>

National Institute for Automotive Service Excellence
<http://www.ase.com/>

Knowledge

Do You Like?

- Mechanical Repairs
- Customer Service
- New Technologies
- Working with Computers