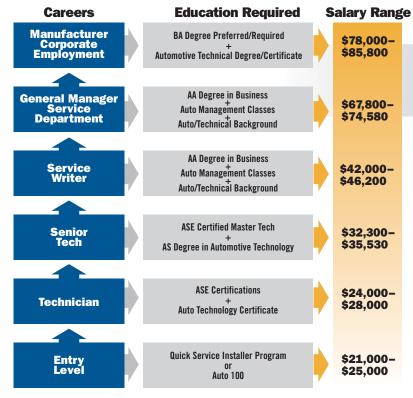
Fast and Flujected Jub Openings and Earnings								
						Earnings		
Advanced Transportation Occupations in Region	2016 Jobs	2021 Jobs	Job Growth	5 Year Openings*	Annual Openings	Entry Hourly	Average Hourly	Experienced Hourly
First-Line Supervisors of Mechanics, Installers, and Repairers	4,429	4,855	9%	2,352	470	\$18.87	\$34.15	\$51.10
Automotive Body and Related Repairers	1,599	1,702	6%	876	175	\$11.47	\$19.10	\$32.97
Automotive Service Technicians and Mechanics	9,848	10,482	6%	5,281	1,056	\$10.68	\$19.20	\$32.92
Bus and Truck Mechanics and Diesel Engine Specialists	4,519	5,023	11%	2,577	515	\$13.29	\$22.84	\$33.73
Mobile Heavy Equipment Mechanics	1,728	1,862	8%	970	194	\$16.10	\$25.98	\$37.61

Past and Projected Job Openings and Farnings

*openings reflect job growth and attrition over five years

Auto Technician Career Path

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



Copper Mountain College

6162 Rotary Way Joshua Tree, CA 92252

Automotive Programs:

- A.S., Automotive Technology
- Automotive Technology Certificate
- Steering and Suspension Service Certificate
- Engine Performance & Drivability Certificate
- AC & Heating Service and Repair Certificate
- Transmission, Service, Repair Certificate
- Alternative Fuel Vehicles Certificate

Contact: Paul Friedt (760) 366-3791 pfriedt@cmccd.edu





ECONOMIC & WORKFORCE DEVELOPMENT

Automotive Technology Career





Fast Track to an Automotive Technology Career at Copper Mountain College

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





The Clean Energy & Transportation Initiative

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 courses.

Why Choose a Career in **Automotive?**

The average wage across our region for automotive service technicians and mechanics is \$39,900 annually, or \$19.20 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, electronics, 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	Employn Opportun	
Most H.S. Level Programs Organize Their Courses as Follows:	Most college Level Programs Organize Their Courses as Follows: ASE 1-9 ordered	Which Path?	Entry Level: Lube Tech Tire & Battery Serv Porter (Lot)	
Intro to Auto 1 • Overall Systems • Basic Theory • Some Tires	Engine Repair Auto Transmissions Man. Transmissions Suspension	More Education or Enter Workforce	Parts Counter/Deli Inspection Auto Body Tech	
Intro to Auto 2 • Electronics/Electrical • Brakes	 Brakes Electrical A/C 		Glass Installer Upholstery/ Interic Audio/Sound/Netw Tuner	
Intro to Auto 3 • Suspension Chassis • Steering	 Engine Performance Diesel/Heavy Duty Advanced Course Opportunities Include: 	Community College	Small Engine Rep Assemblers Emissions/Smog (
M.L.R. Preparation • MLR 1, MLR2, MLR3	Electric & Hybrid Technologies Alternative Fuels/CNG/LNG	Prep Programs Business Education	HVAC Tech	
Additional Opportunities Include: AYES Opportunity ASE Preparation ASE Student Certificate	Emissions Testing On-Board Computer Systems Software Tech Networking	 Business Plan Supervision Customer Service Inventory Mgt. 	Middle Skill: Service Manager Shop Foreman Team Leader/Mast Quality Control	
Secondary (Academic)	Auto Machining Auto Body	 Financial Mgt. Transfer Preparation 	Service Writers Cylinder Block Spe	
Math • Measuring • Conversions • Angles	 Frame Repair Paint Welding & Cutting 	 Math Physics Gen. Ed CSU/IGETC 	Cylinder Head Mac Machining (CNC) Motorcycle Mechan Dissemblers	
Reading Standard Documents & Instructions Communications Oral/Written Computer Applications	Pol - Hybrid Bectre Driv	 4-Year Transfer/Degree Business Management Electrical Engineering Mechanical Engineering 	Retail Dealer High Skill: Owner/Entreprene	
Interpreting Diagrams & Charts Information Retrieval & Data	Sunbus Contraction	 Software Engineering Environmental Engineer 	 Data Acquisition// Factory Engineerir Teacher Software Engineer High Performance 	
		ving Record, Professional Clean Language, ly Language), Work Ethic, Interpersonal Skil	Honesty, Cell Phone Do Is, Responsibility "No	

Handshake, Personal Presentation, Resume Writing



Employment **Opportunities**

Entry Level:

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

Middle Skill: Service Manager Shop Foreman Team Leader/Master Tech Quality Control Service Writers Cylinder Block Spec Cylinder Head Machining Machining (CNC) Motorcycle Mechanic Dissemblers **Retail Dealer**

High Skill: **Owner/Entrepreneur** Data Acquisition/Analysis Tech Factory Engineering Tech Teacher Software Engineering High Performance Engineering

nguage, Honesty, Cell Phone Do's & Excuses", Team Work, Show Initiative, Don't Just Stand There!, Attitude, Job Search Skills, Eye Contact, Firm

SKILS

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 Svstems

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

