Past and Projected Job Openings and Earnings

				Earnings					
2021 Jobs	Job Growth	5 Year Openings*	Annual Openings	Entry Hourly	Average Hourly	Experienced Hourly			
4.855	9%	2.352	470	\$18.87	\$34.15	\$51.10			

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

^{*}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

a vocational of community conege automotive technical program.								
Careers	Education Required	S	Salary Range					
Manufacturer Corporate Employment	BA Degree Preferred/Required + Automotive Technical Degree/Certificate		\$78,000- \$85,800					
General Manager Service Department	AA Degree in Business + Auto Management Classes Auto/Technical Background		\$67,800- \$74,580					
Service Writer	AA Degree in Business Auto Management Classes Auto/Technical Background		\$42,000- \$46,200					
Senior Tech	ASE Certified Master Tech + AS Degree in Automotive Technology		\$32,300- \$35,530					
Technician	ASE Certifications + Auto Technology Certificate		\$24,000- \$28,000					
Entry Level	Quick Service Installer Program or Auto 100		\$21,000- \$25,000					

Chaffey College

5885 Haven Ave. Rancho Cucamonga, CA 91737

Automotive Programs:

- A.S., General Automotive Service Technician
- General Automotive Service Tech Certificate
- A.S., Master Automotive Technician
- Master Automotive Technician Certificate
- Automotive Electrical Systems
- Engine Performance (Smog Check) Technician
- Engine Rebuilding Certificate
- High Performance Engines Building and Blueprinting

Contact:

Sherm Taylor

(909) 652-6000

sherm.taylor@chaffey.edu www.chaffey.edu/bat/auto_tech/index.shtml

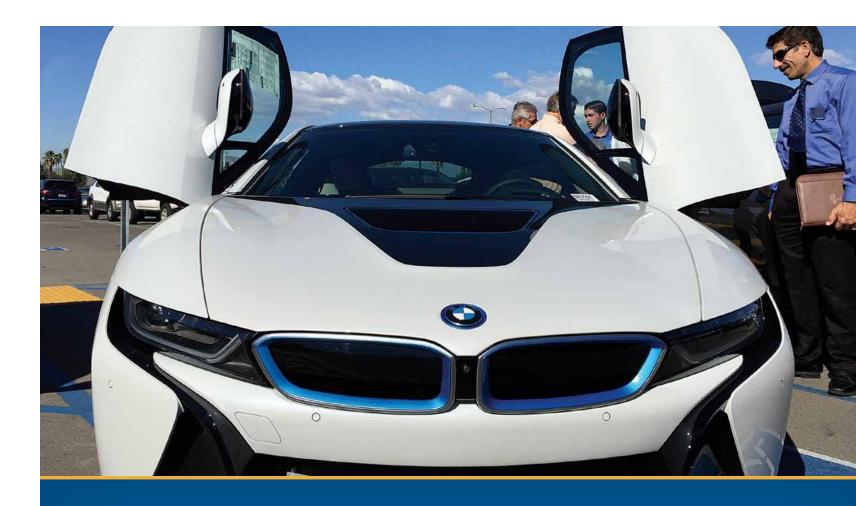






Automotive Technology Career







Fast Track to an Automotive Technology Career at Chaffey College

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

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)

Most H.S. Level Programs Organize Their Courses as Follows:

Intro to Auto 1

- Overall Systems
- Basic Theory
- Some Tires

Intro to Auto 2

- Electronics/Electrical
- Brakes

Intro to Auto 3

- Suspension Chassis
- Steering

M.L.R. Preparation

• MLR 1. MLR2. MLR3

Additional Opportunities Include:

AYES Opportunity ASE Preparation ASE Student Certificate

Secondary (Academic)

Math

- Measuring
- Conversions
- Angles

Reading Standard Documents & Instructions

Communications Oral/Written **Computer Applications** Interpreting Diagrams & Charts Information Retrieval & Data



2-Year/Community **College Programs**

Most college Level Programs Organize Their Courses as Follows:

ASF 1-9 ordered

- Engine Repair
- Auto Transmissions
- Man. Transmissions
- Suspension
- Brakes
- Electrical
- A/C
- Engine Performance
- Diesel/Heavy Duty

Advanced Course Opportunities Include:

Electric & Hybrid Technologies Alternative Fuels/CNG/LNG **Emissions Testing**

On-Board Computer Systems Software Tech

Networking

Auto Machining Auto Body

- Frame Repair
- Paint
- Welding & Cutting

Which Path?

More Education or

Enter Workforce

Pathway

Options

Community College Prep Programs

Business Education Business Plan

- Supervision
- Customer Service
- Inventory Mgt.
- Financial Mgt.

Transfer Preparation

- Math
- Physics
- Gen. Ed
- CSU/IGETC

4-Year Transfer/Degree

- Business Management
- Electrical Engineering
- Mechanical Engineering
- Software Engineering
- Environmental Engineer

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

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

Knowledge Do You Like?

Are You Good At?

- Repairing Things

- Problem Solving

- Trouble Shooting

Active Listening

Wondering How to

We offer a variety of automotive

certificates, and can help you

on your way to achieving an AS

degree as well with the addition

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

Automotive Information Links:

Automotive Youth Educational

http://www.ayes.org/

National Automotive

Technicians Education

http://www.natef.org/

National Institute for

http://www.ase.com/

Automotive Service Excellence

are available.

Systems

Foundation

of a few general education

Get Started?

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

Soft 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