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[www.hancockcollege.edu](http://www.hancockcollege.edu)



Allan Hancock College is a California public community college in northern Santa Barbara County serving more than 11,000 credit students each semester. The college offers degrees and certificates in more than 100 fields of study from accounting to welding. The college has a campus in Santa Maria and centers in Lompoc, Solvang, and at Vandenberg AFB.

The Allan Hancock Joint Community College District is committed to the active promotion of diversity and equal access and opportunities to all staff, students, and applicants, including qualified members of underrepresented/protected groups. The college assures that no person shall be discriminated against because of race, color, ancestry, religion, gender, national origin, age, physical/mental disability, medical condition, status as a Vietnam-era veteran, marital status, or sexual orientation.

Allan Hancock College will provide, upon request, alternate translation of its general information documents in large print, Braille, e-text, etc. Please call (805) 922-6966 ext. 3788.

## Automotive Technology



### Career Technical Education (CTE)

# Automotive Technology

#### Associate in Science Degree in Automotive Technology options

- Auto Service Management
- Auto Tune-Up and Diagnostic Procedures
- Auto Engine Rebuilding
- Automotive Chassis

#### Certificate of Achievement options

- High-Tech General Mechanic -  
Tune-Up Emission Control Specialist
- High-Tech General Mechanic -  
Engine, Power Trains Specialist



## Automotive Technology

If you have the desire to master the skills required to repair and service the modern automobile, the automotive technology program at Allan Hancock College is the place to begin your rewarding career. Using the latest technology and a curriculum based on the National Automotive Technicians Education Foundation (NATEF) standards, the program provides you with the necessary skills, knowledge and attitudes for entry and advancement in the field through rigorous course work and hands on training.

In just two years or less you can train to become a skilled technician by earning certificates of proficiency, state licenses, a two-year degree, and prepare to be Automotive Service Excellence (ASE) Certified. The automotive technology program at Allan Hancock College is equipped with the latest technologies to help meet all of your educational goals.

### Auto Dealership Technician Training Program

Local auto dealerships need qualified technicians and have partnered with Allan Hancock College to identify and train potential new employees.

#### Benefits of the program:

- Earn an AS degree in two years
- Connect with future employers
- Intern at a dealership
- Train for and start your career locally
- Earn top wages with great benefits
- Turn what you love into a great career

Go to [www.hancockcollege.edu/cte/autotech](http://www.hancockcollege.edu/cte/autotech) for details.

### Equipment:

The Automotive Technology Program utilizes the latest tools and equipment\* in student instruction including:

- Sunnen Power Stroke Rod Hone
- Van Norman Crankshaft Grinder
- Superflow Cylinder Head Flow Bench
- DTS 1000 Horse Power Dynamometer
- Hunter R811 Alignment Machine
- Factory Ford, GM, & Chrysler scan tools
- Vetronix workstation engine performance analyzers
- Hines engine balancer
- Rottler CNC boring center
- Rottler cylinder hone
- Rottler variable speed boring center
- Winona line hone
- Engine Diagnosis trainer
- Antilock Brake System trainer
- Mitchell On-Demand and All Data online resources

\*Our equipment is updated on a regular basis.

### Employment Opportunities:

Job opportunities for an automotive technician are plentiful. Related industry jobs include:

- General Automotive Service Technician
- Engine Performance Specialist
- Automotive Emissions Specialist
- Automotive Powertrain Specialist
- Automotive Engine Rebuilding Specialist
- Suspension and Alignment Specialist
- Automotive Service Writer/Manager
- Parts House Manager

Trained technicians are in great demand for outstanding job opportunities in all aspects of automotive service and repair. Technicians possessing state licenses such as Smog, Lamp or Brake are in especially high demand with hourly rates ranging from \$10 - \$15 for entry-level positions. Journey level positions earn \$15 to \$24 per hour on average.

# Automotive Technology

The course work in the automotive technology program is designed to provide you with the skills needed to diagnose, maintain and repair the modern passenger car and light truck. The automotive technology program continues the tradition of Allan Hancock College mechanical skills programs that started in the 1930s and has produced graduates who have been recognized with national awards such as the VICA Automotive Champion and the ASE Master Automotive Technician of the Year. The program is strongly supported within the college and the community and has been the recipient of more than \$425,000 in donations and equipment from the Blaine Johnson Memorial Foundation. With a full complement of classes that range from introductory to advanced, the automotive technology program provides you the opportunity to quickly enter into this exciting field.

## For more information

Automotive technology is one of the career technical education programs at Allan Hancock College within the department of Industrial Technology. It resides in the Transportation industry sector.

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Or visit our website at  
[www.hancockcollege.edu/cte](http://www.hancockcollege.edu/cte)

## Automotive Technology - Auto Service Management (A.S.)

A major of 24 units is required for the associate in science degree.

### Required core courses (24 units):

AT 133	Automotive Engine Rebuilding	5 units
AT 303	Automotive Electricity	4 units
AT 314	Suspension and Alignment	4 units
AT 323	Power Trains	5 units
BUS 104	Business Organization & Management	3 units
BUS 107	Human Relations in Business	3 units

## Automotive Technology - Auto Tune-Up and Diagnostic Procedures (A.S.)

A major of 23 units is required for the associate in science degree.

### Required core courses (23 units):

AT 133	Automotive Engine Rebuilding	5 units
AT 303	Automotive Electricity	4 units
AT 341	Automotive Carburetion/Injection	5 units
AT 343	Automotive Tune-Up and Engine Analysis	5 units
AT 344	Automotive Emission Control	4 units

## Automotive Technology - Auto Engine Rebuilding (A.S.)

A major of 19 units is required for the associate in science degree.

### Required core courses (19 units):

AT 133	Automotive Engine Rebuilding	5 units
AT 334	Automotive Machining	4 units
AT 341	Automotive Carburetion/Injection	5 units
AT 389	Independent Projects in Automotive Technology	1-3 units
MT 109	Survey of Machining	4 units



## Automotive Technology - Automotive Chassis (A.S.)

A major of 27 units is required for the associate in science degree.

### Required core courses (27 units):

AT 133	Automotive Engine Rebuilding	5 units
AT 303	Automotive Electricity	4 units
AT 313	Automotive Brakes	4 units
AT 314	Suspension and Alignment	4 units
AT 323	Power Trains	5 units
AT 324	Automatic Transmissions	5 units

## Automotive Technology - High-Tech General Mechanic - Tune-Up Emission Control Specialist (Certificate of Achievement)

37 units constitute the certificate.

### Required core courses (37 units):

AT 133	Automotive Engine Rebuilding	5 units
AT 303	Automotive Electricity	4 units
AT 306	Automotive Air Conditioning System	1 unit
AT 313	Automotive Brakes	4 units
AT 323	Power Trains	5 units
AT 341	Automotive Carburetion/Injection	5 units
AT 343	Automotive Tune-Up and Engine Analysis	5 units
AT 344	Automotive Emission Control	4 units
AT 346	Computerized Engine Control	4 units

## Automotive Technology - High-Tech General Mechanic - Engine, Power Trains Specialist (Certificate of Achievement)

35 units constitute the certificate.

### Required core courses (35 units):

AT 133	Automotive Engine Rebuilding	5 units
AT 303	Automotive Electricity	4 units
AT 313	Automotive Brakes	4 units
AT 323	Power Trains	5 units
AT 324	Automatic Transmissions	5 units
AT 334	Automotive Machining	5 units
AT 343	Automotive Tune-Up and Engine Analysis	5 units
AT 399	Topics in-ASE Certification Prep	2 units