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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.

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

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.

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# Degree & Certificate Programs

INDUSTRIAL TECHNOLOGY DEPARTMENT

## Automotive Technology

- Auto Tune-Up and Diagnostic Procedures Degree
- Auto Engine Rebuilding Degree
- Automotive Chassis Degree
- Tune-Up Emission Control Specialist Certificate
- Engine and Power Trains Specialist Certificate
- Auto Service Management Degree



## Automotive Technology

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 \$10.05 to \$15.50 for entry-level positions. Journey level positions earn \$13.05 to \$17.50 per hour.

Job duties of an automotive technician vary from engine performance specialist to the complete rebuilding of engines and power trains. Other related jobs include parts house counter person, insurance appraisers, service managers, managers of service stations, lubrication drive-ins, and salespersons for major automotive equipment suppliers and dealers.

If you are someone who prefers hand-on training and you want to earn a good living doing something you really enjoy, then consider the Allan Hancock College Automotive Technology Program. In just two years or less you can train to become a skilled technician.

Students can earn certificates of proficiency, state licenses, a two-year degree, or ASE (Automotive Service Excellence) Certification. The automotive program at Allan Hancock College is equipped with the latest technologies to help meet all of your educational goals.

### State-of-the-art Equipment:

- BAR-97 Enhanced Dyno
- DCM Tech Cylinder Head Machining Center
- AXE Cylinder Head Pressure Tester
- Vetronics Master Tech Scanners
- Vetronix 5-Gas Exhaust Gas Analyzer

## Careers in Automotive Technology offer:

- **Employment** in a career in one of the nation's top 25 occupations that is growing faster and paying higher wages than average. *(Bureau of Labor Statistics)*
- **Jobs** ranked second in the nation for careers that require post-secondary education, but less than a four-year degree. *(Bureau of Labor Statistics)*
- **An occupation** that is growing in Santa Barbara county by more than 10 percent annually. *(Employment Development Department)*

## Automotive Technician average wages:

(for Santa Barbara County)

- No experience:** \$8-\$14/hour
- With experience:** \$11-\$28/hour

*Certified Automotive Service Excellence (ASC) techs earn top wages.*

- Automatic Transmission & Powertrain Technician
- Alignment & Suspension Technician
- Tune-Up Technician
- Brake Technician
- Engine Machinist
- Mechanic
- And many more...



## Automotive Technology Degrees

### Auto Tune-Up and Diagnostic Procedures

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 341	Automotive Carburetion/Injection	5 units
AT 343	Automotive Tune-Up & Engine Analysis	5 units
AT 344	Automotive Emission Control	4 units
AT 346	Computerized Engine Control	4 units

### Auto Engine Rebuilding

A major of 19 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 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 Chassis

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

### Auto Service Management

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	Bus Organization & Management	3 units
Bus 107	Human Relations in Business	3 units

## Automotive Technology Certificates

### Tune-Up Emission Control Specialist

Thirty-seven 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 & Engine Analysis	5 units
AT 344	Automotive Emission Control	4 units
AT 346	Computerized Engine Control	4 units

### Engine and Power Trains Specialist

Thirty-five 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 & Engine Analysis	5 units
AT 399	Topics in: ASE Certification Prep	2 units

## Employment Opportunities

Engine Performance and Smog Technicians, Electrical Technician, Brake & Suspension Technician, Engine Machine and Repair Technician, Power Trains Technician, Service Management Technician – Salaries start in the \$10-\$15/hour range.

## For More Information

Additional program information is available at the Industrial Technology Department office in Building O and the counseling office in student services in Building A, or contact the Industrial Technology Department office at:

**Phone:** (805) 922-6966 ext. 3335

**Toll-free** in San Luis Obispo and Santa Barbara Counties  
1-866-DIAL AHC (342-5242)

**Fax:** (805) 349-9380

Or visit us on the Internet at:

<http://www.hancockcollege.edu>