

# AUTOMOTIVE TECHNOLOGY

## School of Applied Technology and Hospitality Management

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**School/Department Location:** [www.swccd.edu/cvlocation](http://www.swccd.edu/cvlocation)

**Map:** <https://goo.gl/maps/C4E3PnKsdU92> (<https://goo.gl/maps/C4E3PnKsdU92/>)

## General Description

Automotive technology is a study of the complete automobile divided into a subsystem approach. This program of study explores and instructs students in the operation of all automotive systems. Processes are emphasized including problem solving, repair procedures, service techniques, diagnostic analysis, and shop safety. All automotive system instruction meets Automotive Service Excellence (ASE) guidelines and National Automotive Technicians Education Foundation (NATEF) certification.

## Career Options

Below is a sample of the career options for the automotive major. Most require a certificate or an associate in science degree. Automotive Service Excellence Certification will allow entry-level employment as: mechanic, automotive technician, service station attendant, repair shop operator, service writer/advisor, part sales person, automobile insurance adjuster, vocational teacher, race car mechanic, supplier or distributor, and positions in allied professions of business, marketing, and industry.

Degree/Certificate Options	Major Code
<b>Associate in Science Degree:</b>	
<b>Career/Technical</b>	
Automotive Electric Vehicle Technology ( <a href="http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/auto-ev-tech-as/">http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/auto-ev-tech-as/</a> )	02873
Automotive Technology ( <a href="http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/automotive-technology-as/">http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/automotive-technology-as/</a> )	02870
<b>Certificates of Achievement</b>	
Advanced Emission Specialist ( <a href="http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/certificate-achievement-emission/">http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/certificate-achievement-emission/</a> )	02766
Automotive Performance Systems ( <a href="http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/certificate-achievement-automotive-performance/">http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/certificate-achievement-automotive-performance/</a> )	02765

Automotive Technology (<http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/certificate-achievement-automotive/>) 02871

### Certificate of Proficiency

Automotive Brake and Suspension Systems (ABS and Four-Wheel Alignment) (<http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/certificate-proficiency-automotive-brake-suspension/>) 02750

Automotive HVAC Specialist (<http://catalog.swccd.edu/associate-degree-certificate-programs/automotive-technology/certificate-proficiency-automotive-hvac-specialist/>) 02652

## Areas of Preparation for ASE Certification Exam

- ASE Brakes
- ASE Suspension
- ASE Engine Performance
- ASE Automotive Heating, Cooling, and Air Conditioning
- ASE Electrical Systems
- ASE Engine Repair
- ASE Automotive Manual Transmissions
- ASE Manual Transmission

Consult with a counselor to develop a Student Education plan (SEP) which lists the courses necessary to achieve your academic goal.

## Faculty

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