Automotive/Transportation Technology

San Jacinto Campus
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Degree(s)
Transfer:
None

Non-Transfer:
A.S. in Automotive/Transportation Technology
(with General Education Requirements Option A)

Certificate(s)
Certificate in Automotive/Transportation Technology

Employment Concentration Certificate(s)
Automotive Emission Technician
Automotive Service Advisor/Automotive Service Shop Management
Engine Performance Technician
General Technician
Honda Fast Track

Program Description

Automotive Technology is a career oriented non-transfer occupational program that prepares students to work in today’s highly automated repair shops, and provides the background for career advancement in the automotive industry. Students get hands-on training and instruction in automotive repair and maintenance. Our Automotive Technology program prepares students for employment in many areas of the automotive field including dealerships, independent garages, fleet shops, service stations, and specialty shops.
Career Opportunities

All career opportunities listed are representative careers in each field. There are no guaranteed positions for students completing these programs. (See: www.onetonline.org)

Non-Transfer A.S. Degree

First-Line Supervisor, Manager of Mechanics, Heating and Air Conditioning, Refrigeration Mechanic

Certificate

Automotive Service Technician and Mechanic, Electrical and Electronics Installer and Repairer

Employment Concentrations

Automotive Service Advisor/Automotive Service Shop Management

- Sales and Service Manager, First-Line Supervisor, Manager of Mechanics

Automotive Emission Technician

- Heating and Cooling Systems Mechanic, Automotive Service Technician and Mechanic

Engine Performance Technician

- Heating, Air Conditioning and Refrigeration Mechanic, Electrical and Electronics Installer and Repairer

General Technician

- Automotive Service Technician and Mechanic

Honda Fast Track

- Porter, Express Technician, Light Repair Tech

Degree

The major for an Associate of Science (AS) degree in Automotive/Transportation Technology may be met by completing the certificate in the Automotive/Transportation program. In addition, students must complete all MSJC General Education Option A requirements for the Associate of Science degree in Automotive/Transportation Technology.

Certificate

Certificate in Automotive/Transportation Technology (20 units)

Required Courses (20 units)

- AUME-100 Basic Auto Mechanics 4 units
- AUME-119 Automotive Brake Systems 4 units
- AUME-120 Automotive Suspension, Steering and Alignment Systems 4 units
- AUME-122 Engine Performance I 4 units
- AUME-126 Automotive Electrical/Electronics I 4 units

Employment Concentrations

Automotive Emission Technician (11.5 units)

- AUME-110 Basic and Advanced Clean Air Car Course 4.5 units
- AUME-111 Emission Controls A6/A8/L1 6 units
- AUME-112 Bureau of Automotive Repair (State of California) Update Training Course 1 unit

Automotive Service Advisor/Automotive Service Shop Management (4 units)

- AUME-132 Automotive Service Advisor 2 units
- AUME-133 Automotive Shop Management 2 units

Engine Performance Technician (14 units)

- AUME-111 Emission Controls A6/A8/L1 6 units
- AUME-123 Engine Performance II 4 units
- AUME-127 Automotive Electrical/Electronics II 4 units

General Technician (17 units)

- AUME-118 Heating/Air Conditioning Systems 4 units
- AUME-124 Engine Theory and Repair 5 units
- AUME-175 Automatic Transmissions & Transaxles 4 units
- AUME-185 Manual Transmissions & Transaxles 4 units

Honda Fast Track (6 units)

- AUME-101 Maintenance Light Repair I 2 units
- AUME-109 Basic Maintenance Light Repair II 4 units

Learning Outcomes

- Pass all eight areas in the ASE certification.
- Complete all NATEF (National Automotive Technician Education Foundation) task sheets.
- Prepare to enter the workforce in the automotive industry.

Note: Every effort has been made to keep program information current. Please use this information as a guide and consult with the chair of the department/program or an MSJC counselor.