

ASSOCIATE OF SCIENCE DEGREE AND CERTIFICATE OF ACHIEVEMENT AUTOMOTIVE TECHNOLOGY

Automotive Technology provides instruction in engine diagnosis, tune-up, emission control, brakes, front-end, and suspension systems. These courses are designed to prepare students for certification in these areas and for employment as automotive mechanics.

For the Associate of Science Degree in Automotive Technology, complete 18-24 units of coursework listed below as well as the General Education requirements. Consult a Los Medanos College counselor to develop your education plan.

For the Certificate of Achievement in Automotive Technology, complete 18 units of coursework listed below. Consult a Los Medanos College counselor to develop your education plan.

SELECT A MINIMUM OF 18 - 24 UNITS FROM:

- AUTO-045 Automotive Laboratory Practice 1.5
- AUTO-111 Automotive Electrical Systems 4
- AUTO-112 Engine Technology 4
- AUTO-113 Automotive Heating and Air Conditioning 3
- AUTO-120 Automotive Suspension and Steering 4
- AUTO-121 Automotive Brakes 4
- AUTO-122 Automotive Machining 4
- AUTO-130 Automatic Transmission and Transaxles 4
- AUTO-132 Automotive Diagnosis I 4
- AUTO-133 Manual Transmission and Differential 2
- AUTO-142 Automotive Diagnosis II 4
- AUTO-150 Smog Check Training Level I 3

TOTAL UNITS FOR THE MAJOR 18-24

TOTAL UNITS FOR THE DEGREE 60

ASSOCIATE OF SCIENCE

Program Student Learning Outcomes

1. Demonstrate problem solving techniques used in troubleshooting automotive systems by writing up a diagnosis and completing the repair.
2. Use written or oral service directions used in the automotive field to locate service information, demonstrate mechanical knowledge by diagnosing the failure and replacing the proper component.
3. Demonstrate the skills and knowledge necessary to take and pass the state and ASE exams required for employment in the automotive field.

CERTIFICATE OF ACHIEVEMENT

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