

Automotive Specialist

Certificate of Completion

2009-10 Academic Year

Major Code: 470604

About the Program

The Automotive Specialist one-year certificate program is designed for students who wish to acquire basic technical training to enter minor automotive industry positions. Students who desire more in-depth industry training as automotive technicians and/or Automotive Service Excellence (ASE) training at all levels should enroll in the Associate of Applied Science degree program.

Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. In addition, students may also be required to enroll in classes that would increase their employability and success.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Automotive Technology Department coordinator's approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate coordinator before being accepted toward core requirements. High school "2+2" Early College Credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification or industry experience may be substituted for some coursework in accordance with college policies and the coordinator's approval.

Graduation Requirements

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a "C" or better grade earned.

Prerequisites

Course No.	Course Title	Credits
MTH60	Fundamentals of Algebra I or	
MTH63	Applied Technical Math (or designated placement test score as shown on current indicator chart)	4
RD30	College Reading II (or designated placement test score as shown on current indicator chart)	4
WR115	Introduction to Expository Writing (or designated placement test score as shown on current indicator chart)	3

General Education Requirements

Course No.	Course Title	Credits
—	Approved 3-4 credit computer science class, CS120 or above (or documented computer proficiency) ¹	0-4
MTH65	Fundamentals of Algebra II or higher level math	4
PSY101	Psychology of Human Relations or	
BT101	Human Relations in Organizations	3
WR121	English Composition I	4
9.167	Emergency First Aid or	
HE261	CPR or	
HE252	First Aid/CPR	1-3
TOTAL GENERAL EDUCATION REQUIREMENTS		12-18

Technical Requirements

Course No.	Course Title	Credits
First Term		
AM122	Gasoline Engines Rebuild	7
AM120	Automotive Maintenance and Trades Practices ²	6
—	Approved program electives	<u>0-4</u>
		13-17
Second Term		
AM111	Electricity for Automotive Technicians ²	7
AM131	Engine Dynamics and Diagnosis	7
		14
Third Term		
AM141	Manual Transmissions and Axles	6
AM151	Automotive Brake Systems	6
AM190	Automotive Repair Lab I	<u>4</u>
		16
TOTAL TECHNICAL CREDITS		43-47
TOTAL PROGRAM CREDITS		55-65

Approved Program Electives

Course No.	Course Title	Credits
AM160	Automotive Suspension and Steering Systems	6
AM199	Selected Topic Workshop	1-8
AM232	Computerized Engine Management Systems	7
AM242	Automatic Transmissions and Transaxles	7
AM270	Air Conditioning for Automotive Technicians	5
AM280	Cooperative Work Experience/Automotive	variable
AM290	Automotive Repair Lab II	4
AM295	ASE Certification Preparation	1

¹ Successful completion of CS101 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

² These courses (or equivalent experience) or department head approval required before advancing to other automotive courses.

For more information contact the Automotive Technology Department:

Grants Pass or Medford (541) 245-7894
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This advising guide is for advising purposes only. Please see current college catalog for additional information on specific college policies and graduation requirements.

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