

Automotive Technology

Holland code family: Doers

About the Program

The Automotive Technology two-year degree program is designed for students seeking a career in today's automotive service industry. The program builds rapidly from fundamentals and theory into diagnosis and repair of today's modern automobiles based upon Automotive Service Excellence (ASE) standards.

The design of the program places heavy emphasis upon actual hands-on work in the automotive labs. Approximately two-thirds of the time spent in the program is in a lab (shop) environment where the student applies theory to diagnosis and repair of a wide variety of domestic and import automobiles. As the level of student skill develops, so does the difficulty of the repairs performed.

If students intend to transfer to Oregon Tech's Bachelor of Applied Science degree program, transfer courses should be chosen from the list of electives where possible. See an adviser for more information, or visit <http://www.oit.edu/academics/academic-agreements/articulations>.

Entry Requirements

Students are required to complete the Placement Process 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 level as determined by the results of their placement assessment. 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. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification and industry experience may be substituted for some coursework in accordance with college policy and the department chair's approval.

Graduation Requirements

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

What skills will you learn?

Visit <http://go.roguecc.edu/department/program-learning-outcomes>.

What are the employment opportunities?

Visit <http://www.roguecc.edu/GainfulEmployment>.

Prerequisites

Course No.	Course Title	Credits
MTH20	Pre-algebra or designated placement test score	0-4
RD90	College Reading or designated placement test score	0-4
WR115	Introduction to Expository Writing or designated placement test score	0-3

Total Prerequisite Credits **0-11**

General Education Requirements

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CS__	Approved 3-4 credit computer science class, CS120 or above, or documented computer proficiency ¹	0-4
HE112	Emergency First Aid or HE261 CPR/Basic Life Support Provider	1
LIB127	Introduction to Academic Research	1
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
SP100	Basic Communication or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication or WR122 English Composition II	3-4
WR121	English Composition I	4

Total General Education Credits **16-21**



First Year Technical Requirements

Course No.	Course Title	Credits
First Term		
AM120	Automotive Maintenance and Trades Practices	6
AM122	Gasoline Engines Rebuild	7
		13
Second Term		
AM111	Electricity for Automotive Technicians	7
AM131	Engine Dynamics and Diagnosis	7
		14
Third Term		
AM141	Manual Transmissions and Transaxles	6
AM151	Automotive Brake Systems	6
		12
Fourth Term (Summer)		
AM190	Automotive Repair Lab I ²	4
AM270	Air Conditioning for Automotive Technicians	5
		9
Total First Year Credits		48

Second Year Technical Requirements ³

Course No.	Course Title	Credits
Fifth Term		
AM160	Automotive Suspension and Steering Systems	6
AM232	Computerized Engine Management Systems	7
		13
Sixth Term		
AM233	Advanced Automotive Computer Systems	7
AM242	Automatic Transmissions and Transaxles	7
		14
Seventh Term		
AM210	Mechanical Careers Development or BA109 Ready, Set, Work: Techniques for Landing a Job	2-3

continued on back

AM252	Advanced Diagnostic Lab	4
AM280	Cooperative Work Experience/Automotive or AM290 Automotive Repair Lab II ²	<u>4</u>
		10-11

Total Second Year Credits 37-38
TOTAL PROGRAM CREDITS 101-107

Approved Program Electives

Course No.	Course Title	Credits
AM199	Selected Topic Workshop	1-3

¹ Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement. Contact a computer science adviser to help determine placement.

² Can be taken anytime during the program with permission of adviser.

³ Students must be making progress in completing general education requirements prior to entry into the second year.

For more information contact the Automotive Technology Department:

Grants Pass or Medford 541-956-7140
Toll free in Oregon 800-411-6508, Ext. 7140
email automotivetech@rogucecc.edu
Web address www.rogucecc.edu/Automotive
TTY Oregon Telecom Relay Service, 711

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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