



C.A.S.

Certificate Degree
(One-year program)



AUTOMOTIVE TECHNOLOGY

Why Automotive Technology?

This (41 credit) plan of study provides students with the skills necessary for employment in the field of auto mechanics. At the conclusion of the one-year certificate, graduates may be employed as automotive service technicians or mechanics. They could also find employment in the retail/wholesale parts business. The median income for this field is \$35,790 per the US Department of Labor. This program has an Automotive Service Excellence (ASE) certified instructor.

Upon completion of this program, graduates will be able to:

- Test parts and systems to ensure that they are working properly
- Identify mechanical problems, often by using computerized diagnostic equipment
- Follow checklists to ensure that all critical parts are examined
- Test and lubricate the vehicle's engine and other major components
- Disassemble and reassemble parts
- Perform basic care and maintenance, including oil changes, tune-ups, and tire rotations
- Repair or replace worn parts, such as brake pads and wheel bearings
- Use testing equipment to ensure that repairs and maintenance are effective
- Explain to clients their automotive problems and the repairs done on their vehicles

START HERE — Go Anywhere



AUTOMOTIVE TECHNOLOGY

Degree Requirements

Program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check Course Descriptions to determine pre-requisites, and should consult their advisor regarding the order in which to take courses.

Fall Semester: 22 Credits

- AST 114/115 Automotive Brakes & Lab 2,2
- AST 136/137 Automotive Electrical Systems & Lab 2,2
- AST 172/173 Automotive Heating & Air Conditioning & Lab 3,1
- AST 220/221 Automotive Steering & Suspension & Lab 2,2
- COMX 111 Intro to Public Speaking 3 -OR-
- COMX 115 Interpersonal Communications 3
- M 111 Technical Math 3

Spring Semester: 19 Credits

- AST 106/107 Automotive Manual Drive Train & Axles & Lab 1,2
- AST 270/271 Auto Transmissions/Transaxles & Lab 2,2
- AST 160/161 Automotive Engine Repair & Lab 2,2
- AST 164/165 Automotive Diagnostics and Tune Up & Lab 3,2
- WRIT 121 Intro to Technical Writing 3 -OR-
- Written Communication 3



TOTAL CREDITS

41

