



Associate of Applied Science AUTOMOTIVE TECHNOLOGY 2012-2014

Completion of the Automotive Technology program is designed to provide you with entry-level employment as an automotive technician. By the time you complete this program, you should be able to achieve Automotive Service Excellence (ASE) certification in four or more competency areas.

GENERAL EDUCATION (23 CR)

Area I. Communications (6 cr)

- ENG 111 English Composition I (3)
Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation
- SPCH 130 Public Speaking (3)
Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation

Areas II and III. Mathematics/Computers/Laboratory Science (6 cr)

- MATH 132 Applied Trades Math II (3)

Prerequisite: MATH 102N or MATH 103N or MATH 104N or adequate score on the Course Placement Evaluation

- BCIS 102 Computer Literacy (3)

Area IV. Social/Behavioral Sciences (3 cr)

Elective (3) Choose from Anthropology, Economics, Geography, Political Science, Psychology, or Sociology.

Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation.

Area V. Humanities and Fine Arts (6 cr)

- HUM 100 FYE: History and Culture of Northern New Mexico (3)
Prerequisite: ENG 108N (3) or adequate score on the Course Placement Evaluation
- PHIL 220 Ethics (3)
Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation

Area VI. Library Technology (1 cr)

- LT 101 Library Research Skills (1)

HPER (1 cr)

- Elective (1)

PROGRAM REQUIREMENTS (54-57 CR)

- ATEC 101 Introduction to Automotive Repair (2)
- ATEC 102 Engine Repair (5)
- ATEC 104 Brake Systems (5)
- ATEC 105 Suspension and Alignment (4.5)
- ATEC 109 Air Conditioning and Heating (4.5)
- ATEC 114 Service Writer/Customer Service (1)
Prerequisite: Permission of instructor
- ATEC 115 Automotive Restraint System (1.5)
Prerequisite: ATEC 122
- ATEC 122 Basic Automotive Electricity (1)
- ATEC 123 Battery, Starting, and Charging Systems (2)
- ATEC 124 Electrical Instruments, Lights, and Accessories (3)
- ATEC 126 On-Board System Diagnosis and Service (1)
- ATEC 127 Engine Management Systems (3)
Prerequisite: ATEC 126

ATEC 128 Fuel Management Systems (2)

ATEC 203 Automotive Electronics and Electricity (3)

Prerequisites: ATEC 122, ATEC 123, ATEC 124

ATEC 204 Ignition Systems (2)

Prerequisite: ATEC 126

ATEC 205 Emission Control Systems (3)

Prerequisite: ATEC 126

ATEC 206 Manual Transmission and Differential (4)

ATEC 207 Automatic Transmission (5.5)

Choose one of the following electives

ATEC 280L Practicum (1-4)

Prerequisite: Permission of instructor

ABR 120 Auto Body Welding Methods (4)

Prerequisites: ABR 111 (4)

TOTAL CREDITS: 77-80

Note: We recommend that students take 100-level classes before proceeding to 200-level classes.