

# Automotive Technology

College of Rural and Community Development  
Tanana Valley Campus  
(907) 455-2809  
www.tvc.uaf.edu

## Certificate

Minimum Requirements for Certificate: 34 credits

The automotive technology program provides students with the education and training needed to become an entry level automotive technician. The automotive service industry is constantly changing as cars become more complicated. Highly trained technicians are needed to understand, diagnose and repair modern automobiles.

The program emphasizes hands-on training and in-class experience as students perform preventive maintenance inspections, determine causes of equipment problems and make necessary repairs and adjustments to the complex systems that make up today's cars. The certificate training qualifies students for entry-level positions within the automotive service and repair industry in the areas of electricity/electronics, brakes, suspension and alignment, and engine performance.

Successful graduates from the automotive technology program go on to careers in dealerships, independent shops, service/IM stations, fleet repair facilities and aviation ground support. Salaries vary depending on job placement and the student's skill level.

## Certificate Program

1. Complete the general university requirements (page 83).
  2. Complete the certificate requirements. (See page 85. As part of the certificate requirements, the communication, computation and human relations content are embedded in the major required courses for this program).
  3. Complete the following program (major) requirements:\*
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|--|----|
| AUTO 102 Introduction to Automotive Technology ..... | 3  |
| AUTO 110 Basic Electrical Systems .....              | 3  |
| AUTO 122 Engine Theory and Diagnosis .....           | 3  |
| AUTO 131 Automotive Electrical II .....              | 3  |
| AUTO 150 Brake Systems .....                         | 4  |
| AUTO 162 Automotive Practicum I .....                | 4  |
| AUTO 190 Suspension Alignment .....                  | 4  |
| AUTO 202 Auto Fuel and Emissions Systems .....       | 4  |
| AUTO 222 Automotive Engine Performance .....         | 3  |
| AUTO 227 Automotive Electrical III .....             | 3  |
| 4. Minimum credits required .....                    | 34 |

\* Students must earn a C grade or better.