AUTOMOTIVE TECHNOLOGY

College of Rural and Community Development
Community and Technical College
907-455-2932
www.ctc.uaf.edu/programs/Automotive/

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 95).

2. Complete the certificate requirements. (See page 97. 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:*
   AUTO F102—Introduction to Automotive Technology 3
   AUTO F110—Basic Electrical Systems 3
   AUTO F122—Engine Theory and Diagnosis 3
   AUTO F131—Automotive Electrical II 3
   AUTO F150—Brake Systems 4
   AUTO F162— Suspension Alignment 4
   AUTO F190—Automotive Practicum I..4
   AUTO F202—Auto Fuel and Emissions Systems 4
   AUTO F222—Automotive Engine Performance...........................3
   AUTO F227—Automotive Electrical III..3

4. Minimum credits required 34
*   Students must earn a C grade (2.0) or better in each course.

UNIVERSITY OF ALASKA FAIRBANKS
Office of Admissions and the Registrar • P.O. Box 757480 • Fairbanks, AK 99775-7480 • admissions@uaf.edu • www.uaf.edu
UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: www.alaska.edu/titleIXcompliance/nondiscrimination.

All degrees (e.g. Certificate, A.A., A.A.S., A.S., etc) require additional courses. Refer to specific degree and program requirements.

Certificate Requirements

COMMUNICATION (2-3)

Complete one of the following:
ENGL F111X...(3) ———
ABUS F170..(3) ———
ABUS F271..(3) ———
ENGL F211X...(3) ———
ENGL F212..(3) ———
ENGL F213X...(3) ———
COMM F131X..(3) ———
COMM F141X..(3) ———
DEVS F104...(1 – 3) ———
DEVS F105..(3) ———
    Other program-approved discipline-based communica-
    tion course or discipline-based courses with embedded
    communication content.   (2 – 3)
* ENGL F212 does not fulfill the second half of the written communication requirement for the bachelor's degree.

COMPUTATION (2-3)

Complete one of the following:
Any course at the F100-level or above in mathematical sciences
(computer science, math or statistics). ....(3) ———
ABUS F155..(3) ———
DEVM F105...(3) ———
ECE F117...(3) ———
HLTH F116...(3) ———
HUMS F117..(3) ———
PRT F155..(3) ———
TTCH F131 ....(3) ———
    Other program-approved discipline-based computa-
    tion course or discipline-based courses with embedded
    computation content.   (2 – 3)

HUMAN RELATIONS (2-3)

Complete one of the following:
ANTH F100X/SOC F100X ....(3) ———
ABUS F154..(3) ———
ANL F287...(3) ———
ECE F245...(3) ———
ED/PSY F245 ....(3) ———
HLTH F106...(3) ———
HUMS F120..(3) ———
RHS F110 ....(1) ———
    AND RHS F115 ....(2) ———
    Other program-approved discipline-based human rela-
    tions course or discipline-based courses with embedded
    human relations content. (2 – 3)

MAJOR SPECIALTY CREDITS (minimum)............................ 21

Minimum credits for required certificate............................. 30

Associate of Applied Science Requirements

COMMUNICATION (9)

ENGL F111X...(3) ———

Complete one of the following:
ABUS F271..(3) ———
ENGL F211X...(3) ———
ENGL F212..(3) ———
ENGL F213X...(3) ———
* ENGL F212 does not fulfill the second half of the written communication requirement for the bachelor's degree.

Complete one of the following:
COMM F131X..(3) ———
COMM F141X..(3) ———

COMPUTATION (3)

Complete one of the following:
Any course at the F100-level or above in mathematical sciences
(computer science, math or statistics). ....(3) ———
ABUS F155..(3) ———
DEVM F105...(3) ———
ECE F117...(3) ———
HLTH F116...(3) ———
HUMS F117..(3) ———
PRT F155..(3) ———
TTCH F131 ....(3) ———
    Other program-approved discipline-based computa-
    tion course or discipline-based courses with embedded
    computation content.   (3)

HUMAN RELATIONS (2-3)

Complete one of the following:
ANTH F100X/SOC F100X ....(3) ———
ABUS F154..(3) ———
ANL F287...(3) ———
ECE F245...(3) ———
ED/PSY F245 ....(3) ———
HLTH F106...(3) ———
HUMS F120..(3) ———
RHS F110 ....(1) ———
    AND RHS F115 ....(2) ———
    Other program-approved discipline-based human rela-
    tions course or discipline-based courses with embedded
    human relations content. (3)

MAJOR SPECIALTY CREDITS (minimum)............................. 30

Minimum credits required for degree 60