DIESEL/HEAVY EQUIPMENT

College of Rural and Community Development Community and Technical College 907-455-2809 www.ctc.uaf.edu/programs/diesel/

Certificate

Minimum Requirements for Certificate: 36 credits

The diesel and heavy equipment mechanics program offers the student training in the maintenance and repair of trucks, buses and heavy equipment. This one-year certificate 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 from tune-ups to complete engine and equipment overhauls. Students work on large truck fuel, electrical and air systems, diesel engines, transmissions, differentials, crawler tractor undercarriages, steering and final drives. A student may request credit by examination for any DSLT or MECN class. See department coordinator for details.

Certificate Program

- 1. Complete the general university requirements (page 95).
- Complete the certificate requirements. (See page 97. As part of the certificate requirements, the communication, human relations, and computation content is embedded in the major required courses for this program.)
- 3. Complete the following program (major) requirements: DSLT F101—Safety Including Rigging and Lifting......1 DSLT F105—Preventive Maintenance......3 DSLT F107—Basic Electrical Systems and Electrical Fuel Injection 3 DSLT F254—Engine......5 Minimum credits required36



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

Associate of Applied Science Certificate Requirements Requirements **COMMUNICATION (2-3)** Complete one of the following: **COMMUNICATION (9)** ENGL F111X.....(3) _ ABUS F170(3) __ ENGL F111X.....(3) — ABUS F271(3) __ Complete one of the following: ENGL F211X.....(3) ABUS F271(3) ENGL F212.....(3) ENGL F211X....(3) ENGL F213X.....(3) ENGL F212(3) COMM F131X.....(3) ENGL F213X....(3) COMM F141X.....(3) * ENGL F212 does not fulfill the second half of the written commu-DEVS F104.....(1 – 3) nication requirement for the bachelor's degree. DEVS F105.....(3) **—** Other program-approved discipline-based communication course or discipline-based courses with embedded Complete one of the following: communication content. (2-3)COMM F131X.....(3) * ENGL F212 does not fulfill the second half of the written commu-COMM F141X.....(3) nication requirement for the bachelor's degree. **COMPUTATION (3) COMPUTATION (2-3)** Complete one of the following: Complete one of the following: Any course at the F100-level or above in mathematical sciences Any course at the F100-level or above in mathematical sciences (computer science, math or statistics).....(3) (computer science, math or statistics).....(3) ABUS F155.....(3) ABUS F155(3) **-**DEVM F105.....(3) DEVM F105.....(3) -ECE F117.....(3) ECE F117.....(3) **–** HLTH F116(3) HLTH F116(3) -HUMS F117.....(3) HUMS F117.....(3) -PRT F155.....(3) PRT F155.....(3) -TTCH F131(3) -TTCH F131(3) **–** Other program-approved discipline-based computa-Other program-approved discipline-based computation course or discipline-based courses with embedded tion course or discipline-based courses with embedded computation content. (2 - 3)computation content. **HUMAN RELATIONS (2-3) HUMAN RELATIONS (2-3)**

Complete one of the following:

human relations content. (2-3)

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	

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

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

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-	

Other program-approved discipline-based human relations course or discipline-based courses with embedded human relations content. (3)

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

Minimum credits required for degree60



UNIVERSITY OF ALASKA FAIRBANKS

Admissions and the Registrar • P.O. Box 757480 • Fairbanks, AK 99775-7480 • admissions@uaf.edu • www.uaf.edu



