DIESEL/HEAVY EQUIPMENT

College of Rural and Community Development Community and Technical College 907-455-2843 www.ctc.uaf.edu/programs/diesel/

Certificate

Minimum Requirements for Certificate: 36 credits

The diesel and heavy equipment mechanics program offers 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 109).
- Complete the certificate requirements. (See page 109. 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 F103—Basic Equipment and Truck Operation1 DSLT F105—Preventive Maintenance......3 DSLT F107—Basic Electrical Systems and Electrical Fuel Injection3 DSLT F110—Basic Industrial Fabrication2 DSLT F123—Heavy Duty Braking Systems......3 DSLT F202—Heavy Duty Automatic Transmissions......2 DSLT F210—Heavy Equipment Fabrication2 DSLT F254—Engine.....5 MECN F103—Starting and Charging Systems.......3 Minimum credits required36
- * Students must earn a \hat{C} grade or better in each course.



Certificate Requirements

Communication 2-3 Credits
Complete one of the following: • ENGL F111X—Introduction to Academic Writing
Computation
Complete one of the following: Any course at the F100-level or above in mathematical sciences (computer science, math or statistics)
Human Relations 2-3 Credits
Complete one of the following: • ANTH F100X/SOC F100X—Individual, Society and Culture (s)
Major specialtyat least 21 Credits
Electives to total

Associate of Applied Science Requirements

	. 6 Credits
ENGL F111X—Introduction to Academic Writing	(3)
Complete one of the following: ABUS F271—Business Communications	(3) (3) Sciences(3)
Oral Communication	. 3 Credits
Complete one of the following: COMM F121X—Introduction to Interpersonal Communication: COMM F131X—Fundamentals of Oral Communication: Group COMM F141X—Fundamentals of Oral Communication: Public or successful completion of competency test	(3) Context(3)
Computation	. 3 Credits
Complete one of the following: Any course at the F100 level or above in mathematical sciences (computer science, math or statistics	(3)(3)(3)(3)(3)(3)(3)
Human Relations	. 3 Credits
Complete one of the following:	(3)
ANTH F100X/SOC F100X—Individual, Society and Culture (s) ABUS F154—Human Relations	(s)(3) s (s)(3) (3) (3) (3) (2) rse or
 ANTH F100X/SOC F100X—Individual, Society and Culture (s) ABUS F154—Human Relations	(s)(3) s (s)(3) (3) (3) (3) (2) rse or t(3)

Minimum credits required for degree60 Credits

