

DIESEL TECHNOLOGY - CERT C

or DEM 275	Diesel Internship II
Total Hours	48

The Diesel Technology program prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel powered equipment. Instruction includes both theory and hands-on activities in safety, repair, and maintenance of several types of diesel equipment, as well as tune-up and overhauling, transmissions, and differentials. Specific hands-on experience will be provided on Case, Caterpillar, Cummins, Fuller, Allison, Arvin Meritor, and Rockwell Eaton equipment. This program will offer students preparation to test for the industry-recognized credentials listed below.

The Washburn Tech Diesel Technology program is in alignment with the National Center for Education Statistics (NCES) CIP Code 47.0613: Medium/Heavy Vehicle and Truck Technology/Technician. A program that prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. Includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, gasoline engine mechanics, HVAC systems, and auxiliary equipment installation and repair.

Program Information

- Program Start (semesters): August; January
- Financial Aid available (for post-secondary students only): Yes
- Veteran Benefits Eligible (for post-secondary students only): Yes
- Industry-recognized credentials: ASE Brakes; ASE Diesel Engines; ASE Electrical/Electronic Systems; ASE Suspension & Steering; OSHA-10 General Industry

Certificate Requirements

Code	Title	Hours
IND 105	OSHA - 10 Hr Gen Industry Cert	1
DEM 111	Shop Skills & Safety Fundament	1
DEM 113	Electrical/Electronic Systems	5
DEM 116	Workplace Skills	1
DEM 123	Hydraulics	5
DEM 134	Scanner Diagnostics	1
DEM 138	Suspension and Steering	3
DEM 143	Brakes	3
DEM 148	Advncd Electrl/Electrnc Systms	5
DEM 221	Drive Trains	3
DEM 231	Diesel Engines I	5
DEM 241	Advanced Diesel Engines	5
DEM 248	Drive Trains II	3
or DEM 265	Diesel Internship I	
or DEM 275	Diesel Internship II	
DEM 250	Engine Performance	2
DEM 268	Aux Power Units/Refrigeration	2
DEM 274	Diesel Preventative Maintenanc	3
or DEM 265	Diesel Internship I	