

Diesel Technology AAS Third Generation Program Map 11-15-17 L.Sours

Term 1 Term 2 Term 3 Term 4 Term 5 Term 6 Term 7

- Entry Requirements:**
- Placement Test
 - Advising
 - WR30 or equivalent PT score

CS120
Concepts in Computing

MTH20 Pre-Algebra

WR90 Fundamentals of Composition

RD90 College Reading

DS111 Basic Electricity for Diesel Technicians I

DS120 Diesel Trades Practices

BT113 Business English I

LIB127 Intro to Academic Research ONLINE

DS134 Basic Electricity for Diesel Technicians II

DS131 Diesel Engine Dynamics and Diagnosis

DS141 Heavy Equipment Power Trains

BT114 Business English II

DS113 Diesel Engine Overhaul

DS190 Diesel Repair Lab I

DS151 Heavy Equipment Brakes

MTH63 Applied Algebra or MTH60 Fund of Algebra I

DS270 Air Cond for Diesel Techs

DS232 Heavy Equip Fuel Systems

BT101 Human Rel in Orgs or PSY101 Psych of Human Rel

HE112 Emergency First Aid/CPR

DS160 Heavy Equip Suspension and Steering Systems

WLD 111D Technology of Industrial Welding (Diesel)

DS260 Hydraulic Systems

DS233 Computerized Vehicle Management Systems

DS280S Cooperative Work Experience Seminar/Diesel

Approved Program Elective

DS275 Preventative Maintenance Inspection

DS280 Cooperative Work Experience/Diesel or DS290 Diesel Repair Lab II

Approved Program Elective

ONLINE course

DS courses

On-site courses in other departments

Color Key

Intended Roles
-Heavy Duty Diesel Technician
-Employee
-Citizen
-Tax Payer

- Program Learning Outcomes (PLOs)**
1. Work within OSHA, RCC and current industry safety guidelines and standards to promote a safe working environment.
 2. Read wiring diagrams and schematics, measure voltage, amperage and resistance with common industry equipment, evaluate and troubleshoot wiring, charging and starting problems.
 3. Evaluate, troubleshoot and repair diesel engines, heavy-duty brakes, suspension and steering, power train assemblies, air conditioning and basic hydraulics.
 4. Evaluate and troubleshoot computerized systems on the chassis, engine, brakes and suspension, evaluate fault codes and make repairs as needed.
 5. Work in a cohesive group on a collective project from beginning to end, producing high quality work while adhering to safety and lab procedures.

Diesel Specialist Certificate

