

Manufacturing, Transportation & Industrial Technology

GUIDED PATHWAY: Diesel Technology (Certificate) Transportation Technology Department



This is an example course sequence for students interested in pursuing a career in Diesel Technology. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Diesel Heavy Truck Technician, Certificate(C1).¹

The Diesel Technology curriculum is specialized to train students to become reliable and efficient Diesel technicians. The program's curriculum is updated periodically to reflect the skills needed for the modern technician in the ever-evolving diesel industry. Courses that complete the Diesel Heavy Truck Technician, Certificate (C1) are listed below.

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS

C1			SEMESTER 1	ACTION ITEMS
◆			DEMR 1301 – Shop Safety & Procedures	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or instructor to research your career options and opportunities for job shadowing.
◆			DEMR 1310 – Diesel Engine Testing & Repair I	
◆			DEMR 1405 – Basic Electrical Systems	
◆			DEMR 1417 – Basic Brake Systems	
TOTAL SEMESTER CREDIT HOURS: 14				
C1			SEMESTER 2	ACTION ITEMS
◆			DEMR 1316 – Basic Hydraulics	<input type="checkbox"/> Meet with your advisor to file an official degree plan, confirm or update your academic/career path and program of study.
◆			DEMR 1330 – Steering & Suspension I	
◆			DEMR 1423 – HVAC Troubleshooting & Repair	
◆			DEMR 2412 – Diesel Engine Testing and Repair II	
TOTAL SEMESTER CREDIT HOURS: 14				
C1			SEMESTER 3	ACTION ITEMS
◆			DEMR 1281 – Cooperative Education	<input type="checkbox"/> Meet with a career advisor or coach for assistance in preparing for job search. <input type="checkbox"/> After reviewing your degree plan and program of study apply for graduation. Meet with your advisor to apply for the Diesel Heavy Truck Technician Certificate. Sign up for commencement.
◆			DEMR 1329 – Preventative Maintenance	
◆			DEMR 1421 – Power Train I	
◆			DEMR 2439 – Advanced Electrical Systems	
TOTAL SEMESTER CREDIT HOURS: 13				
PATHWAY TOTAL: 41 SEMESTER CREDIT HOURS				

¹. Degree plans may change in later catalogs. Be sure to consult with your advisor if you are continuing on an older degree plan.

Certification and Licensure Information

TIA Commercial Tire Service (CTS)

EPA 609 Certification

ASE Certification

Career Information

Diesel Technician
Diesel Mechanic
Mechanic Transportation

Common Job Titles

Trailer Mechanic
Truck Mechanic
Mechanic Transit

Fleet Mechanic
Service Technician
Mechanic

Regional Labor Market Information

Diesel Technician: Workers can expect to make an average of \$35,000 annually. The Laredo area has an average of 15 available positions per month (EMSI).

Career and Labor Market Research Tools

Bureau of Labor Statistics: <http://www.bls.gov/ooh/>, O*NET: <https://www.onetonline.org/>