

Guided Pathways Program Map

NAME OF PROGRAM OF STUDY: **DIESEL MECHANICS**

EXPECTED CERTIFICATE/DEGREE (Total Number of Units):
CERTIFICATE OF COMPLETION—49 CREDIT HOURS-PART TIME

DEVELOPMENT EDUCATION OPTIONS: At EPCC, some students need to take developmental courses in Reading, Writing, Math, and/or ESOL based on their placement scores. Designed to prepare students for their college level courses, developmental courses are also offered in accelerated formats to help students reach this level faster. There are many support services available to help students succeed on their developmental paths. Students should enroll in any required developmental coursework their first semester in order to meet college course requirements and not delay degree completion. Scan the QR code below to learn more about EPCC's different developmental options. QR Scan reader required. You can also visit Developmental Education webpage at epcc.edu to access the information.



PROGRAM DESCRIPTION: The Diesel Mechanics Certificate of Completion is a seven-semester program. It provides a foundation in the latest diesel technology and instruction in the diagnoses, service, and repair of heavy duty vehicles and equipment. The Diesel Mechanics program is modeled after the National Automotive Technician Education Foundation and the Automotive Service Excellence (ASE) standards for Medium/Heavy Duty Truck Technicians. Students will have the skills to diagnose and make necessary repairs on the following: modern diesel engines; fuel management systems; understand and repair electrical and electronic control systems; understand, diagnose, and repair steering and suspension, clutch and standard transmission; and HVAC and trailer repairs. Students completing the program will be ready to be part of the workforce at a technician level. The capstone course for the Certificate of Completion is DEMR 2432: Electronic Controls. This program may start at any time during the calendar year.

CAREER OPPORTUNITIES: Upon completion of the program, students have the opportunity to work for various dealerships, repairs shops, Truck Fleets, Heavy Off-Highway Equipment, and the Oil Industry, or self-employed as a Road Service Technician.

PROGRAM REQUIREMENTS: All students must complete all courses listed in Diesel Mechanics Certificate of Completion. The structure listed here is a guide and students may take courses in any order. Students are required to have safety glasses, steel toe shoes, proper shop dress attire, book and tool list which will be given on the first day of class.

Bring in this degree plan every time you meet with a counselor for advising and updating.

2019 – 2020
C2-DEMR

Expires in 5 years

NAME OF PROGRAM OF STUDY: DIESEL MECHANICS

**EXPECTED CERTIFICATE/DEGREE (Total Number of Units):
CERTIFICATE OF COMPLETION-49 CREDIT HOURS-PART TIME**

Student Name _____ ID# _____ VA Student _____

Student Signature _____ Date _____

Counselor Name _____ Counselor Signature _____

Courses count towards the Associate of Applied Science Degree in Diesel Technology.

FIRST YEAR

FIRST SEMESTER

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
DEMR 1317	Basic Brake Systems	3	Please visit your counselor/advisor to discuss your next semester courses.			
DEMR 1329	Preventive Maintenance	3				
Total		6				

SECOND SEMESTER

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
DEMR 1305	Basic Electrical Systems	3	Please visit your counselor/advisor to discuss your next semester courses.			
DEMR 1416	Basic Hydraulics	4				
Total		7				

SUMMER SESSION ONE

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
DEMR 1306	Diesel Engine I	3	Please visit your counselor/advisor to discuss your next semester courses.			
DEMR 1421	Power Train I	4				
Total		7				

SECOND YEAR

THIRD SEMESTER

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
DEMR 1330	Steering & Suspension I	3	Please visit your counselor/advisor to discuss your next semester courses.			
DEMR 1327	Tractor Trailer Service & Repair	3				
Total		6				

FOURTH SEMESTER

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
DEMR 1313	Fuel Systems	3	Please visit your counselor/advisor to discuss your next semester courses.			
DEMR 1323	Heating, Ventilation, & Air Conditioning (HVAC) Troubleshooting & Repair	3				
Total		6				

SUMMER SESSION TWO

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
DEMR 2432	Electronic Controls	4	Please visit your counselor/advisor to discuss your next semester courses.			
DEMR 1449	Diesel Engines II	4				
Total		8				

THIRD YEAR

FIFTH SEMESTER

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
ENGL 1301	Expository English Composition	3	Please visit your counselor/advisor to discuss your next semester courses.	Core Curriculum Course		
^Select one Mathematics elective to take		3		Core Curriculum Course		
Total		6				

^MATH 1332 is the preferred course to take for Diesel Mechanics. However, you may take another Mathematics elective course that better suits you. Check the [course catalog](#) for all applicable courses and information and/or visit your counselor/advisor to review your options.

SIXTH SEMESTER

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
DEMR 2334	Advanced Tune-Up & Troubleshooting	3	Please visit your counselor/advisor to discuss your next semester courses.			
Total		3				

TRANSFER PATHS AND REQUIREMENTS: Upon completion of this program, students will have a Level 2 Diesel Mechanic Certificate of Completion should continue to the Associate of Applied Science Degree in Diesel Technology.