



**32-412-4 DIESEL EQUIPMENT TECHNICIAN
2024-25 REQUIRED COURSES
NORTHWOOD TECHNICAL COLLEGE
NEW RICHMOND**

Name/ID _____ Date _____

CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK	CREDITS	NOTES	DATE COMPLETED	TRANSFER OR GRADE
FIRST TERM - Fall 2024						
16 Weeks						
32412301	Diesel Safety and Industry Practices	4 hours per week	2 credits			
32801361	Applied Communications	4 hours per week	2 credits			
First 8 Weeks						
32070326	Basic Engines	20 hours per week	5 credits			
Second 8 Weeks						
32070338	Diesel Engine Theory Corequisite: 32070326 Basic Engines	4 hours per week	1 credit			
32070361	Diesel Engine Repair Corequisites: 32070326 Basic Engines and 32070338 Diesel Engine Theory	20 hours per week	5 credits			
FIRST TERM TOTAL		28-32 hours per week	15 credits			
SECOND TERM -- Spring 2025						
16 Weeks						
32442307	Welding for Mechanics	4 hours per week	2 credits			
32804303	Applied Math	4 hours per week	2 credits			
First 8 Weeks						
32404376 OR 32070370	DC Automotive Electrical* Corequisite: 32404375 Automotive Fundamentals OR 12-Volt Electrical Theory** Prerequisite: 32412301 Diesel Safety and Industry Practices	8 hours per week	2 credits			
32404377 OR 32070371	Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical OR Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisite: 32070370 12-Volt Electrical Theory	12 hours per week	3 credits			
Second 8 Weeks						
32070367	12-Volt Electrical Circuits Corequisites: 32070370 12-Volt Electrical Theory and 32070371 Introduction to Live Repair) OR (32404376 DC Automotive Electrical and 32404377 Electrical Systems)	20 hours per week	5 credits			
SECOND TERM TOTAL		28 hours per week	14 credits			



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THIRD TERM -- Fall 2025						
16 Weeks						
32804313	Applied Math 2 Prerequisite: 32804303 Applied Math	4 hours per week	2 credits			
First 8 Weeks						
32070339	Mobile Hydraulics Theory Prerequisite: 32070367 12-Volt Electrical Circuits	4 hours per week	1 credit			
32070365	Mobile Hydraulics Prerequisite: 32070367 12-Volt Electrical Circuits and Corequisite: 32070339 Mobile Hydraulics Theory	20 hours per week	5 credits			
32412306	Alternative Fuels Prerequisite: 32070361 Diesel Engine Repair	4 hours per week	1 credit			
Second 8 Weeks						
32412309	Advanced Diesel Engine Controls and Emissions Prerequisite: 32070361 Diesel Engine Repair and 32070367 12-Volt Electrical Circuits	4 hours per week	1 credit			
32412304	Diesel Truck Powertrains Prerequisites: 32412301 Diesel Safety and Industry Practices and 32070361 Diesel Engine Repair	12 hours per week	3 credits			
32412302	Diesel Truck Brake Systems Prerequisites: 32412301 Diesel Safety and Industry Practices and 32070361 Diesel Engine Repair	12 hours per week	3 credits			
THIRD TERM TOTAL		32 hours per week	16 credits			
FOURTH TERM -- Spring 2026						
16 Weeks						
32801362	Advanced Communication Skills Prerequisite: 32801361 Applied Communications	4 hours per week	2 credits			
First 8 weeks						
32070369	Mobile HVAC for Heavy Equipment	4 hours per week	1 credit			
First 4 weeks						
32412303	Diesel Truck Chassis Systems Prerequisite: 32412304 Diesel Truck Powertrains	24 hours per week	3 credits			
Second 4 weeks						
32412308	Diesel Live Repair Prerequisite: 32070371 Introduction to Live Repair	24 hours per week	3 credits			
Third 4 weeks						
32412310	Diesel Preventive Maintenance Prerequisites: 32412304 Diesel Truck Powertrains and 3241302 Diesel Truck Brake Systems	16 hours per week	2 credits			
Last 4 weeks						
32412307	Diesel Truck Inspection Corequisite: 32412310 Diesel Preventive Maintenance	16 hours per week	2 credits			
FOURTH TERM TOTAL		20-32 hours per week	13 credits			
TOTAL CREDITS			58 Total Credits			

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better. Revised 2/1/2024



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Please be advised that low enrollment class sections may be canceled. You will be contacted by Student Services with information on *other class sections available in alternate formats.*

GRADUATION REQUIREMENTS: Although your academic advisor can provide guidance, you are ultimately responsible for selecting courses that meet a program's graduation requirements. If you do not take courses in the recommended sequence above, it may delay your completion of graduation requirements. A program plan GPA of 2.0 in a 4.0 grade system is required to graduate.

EARN CREDIT FOR WHAT YOU ALREADY KNOW:

[Visit Credit for Prior Learning for more information](#)

**These courses are available at the Superior Campus. Corequisite override required by the Academic Dean (for Automotive programs) for students to enroll in 32404376 DC Automotive Electrical and/or 32404377 Electrical Systems.*

***These courses are available at the New Richmond Campus*

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