



**32-412-4 DIESEL EQUIPMENT TECHNICIAN
2025-26 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 2025						
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 2026						
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 2026						
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 2027						
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 6.21.24



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*Hours per week represents periods of instruction and/or work-based learning hours per week (class hours). Additional time may be required outside of class to complete assignments. For more details on what you can expect outside of class, please see the “Expectations Outside of the Classroom” section of the Student Handbook.

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 grade point 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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