



**32-412-4 DIESEL EQUIPMENT TECHNICIAN  
2023-24 PROGRAM CURRICULUM CHECKLIST  
NORTHWOOD TECHNICAL COLLEGE  
NEW RICHMOND**

Name/ID \_\_\_\_\_ Date \_\_\_\_\_

CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK	CREDITS	NOTES	DATE COMPLETED	Transfer OR Grade
<b>FIRST TERM - Fall 2023</b>						
<b>16 Weeks</b>						
32412301	Diesel Safety and Industry Practices	4 hours per week	2 credits			
32801361	Applied Communications	4 hours per week	2 credits			
<b>First 8 Weeks</b>						
32070326	Basic Engines	20 hours per week	5 credits			
<b>Second 8 Weeks</b>						
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			
<b>FIRST TERM TOTAL</b>		28-32 hours per week	15 credits			
<b>SECOND TERM -- Spring 2024</b>						
<b>16 Weeks</b>						
32442307	Welding for Mechanics	4 hours per week	2 credits			
32804303	Applied Math	4 hours per week	2 credits			
<b>First 8 Weeks</b>						
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			
<b>Second 8 Weeks</b>						
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			
<b>SECOND TERM TOTAL</b>		28 hours per week	14 credits			



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<b>THIRD TERM -- Fall 2024</b>						
<b>16 Weeks</b>						
32804313	Applied Math 2 Prerequisite: 32804303 Applied Math	4 hours per week	2 credits			
<b>First 8 Weeks</b>						
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			
<b>Second 8 Weeks</b>						
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			
<b>THIRD TERM TOTAL</b>		28-32 hours per week	15 credits			
<b>FOURTH TERM -- Spring 2025</b>						
<b>16 Weeks</b>						
32412306	Alternative Fuels Prerequisite: 32070361 Diesel Engine Repair	2 hours per week	1 credit			
32801362	Advanced Communication Skills Prerequisite: 32801361 Applied Communications	4 hours per week	2 credits			
<b>First 8 weeks</b>						
32070369	Mobile HVAC for Heavy Equipment	4 hours per week	1 credit			
<b>First 4 weeks</b>						
32412303	Diesel Truck Chassis Systems Prerequisite: 32412304 Diesel Truck Powertrains	24 hours per week	3 credits			
<b>Second 4 weeks</b>						
32412308	Diesel Live Repair Prerequisite: 32070371 Introduction to Live Repair	24 hours per week	3 credits			
<b>Third 4 weeks</b>						
32412310	Diesel Preventive Maintenance Prerequisites: 32412304 Diesel Truck Powertrains and 3241302 Diesel Truck Brake Systems	16 hours per week	2 credits			
<b>Last 4 weeks</b>						
32412307	Diesel Truck Inspection Corequisite: 32412310 Diesel Preventive Maintenance	16 hours per week	2 credits			
<b>FOURTH TERM TOTAL</b>		22-34 hours per week	14 credits			
<b>PROGRAM REQUIREMENTS</b>			<b>58 Total Credits</b>			

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

Revised 11/15/22



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Please be advised that low enrollment class sections may be cancelled. 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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