

# 32-412-4 Diesel Equipment Technician

## 2026-27 Required Courses Northwood Technical College New Richmond

Name/ID Date
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16 Weeks	Catalog Number	Course Title	*Hours per Week	Credits	Notes	Date Completed	Transfer or Grade
32812301 Diesel Safety and Industry Practices							
32801361 Applied Communications	00440004		4.				
First 8 Weeks	32412301		4 hours per week				
Second 8 Weeks   Seco	32801361	Applied Communications	4 hours per week	2 credits			
Second 8 Weeks  32070381 Diesel Engine Theory Corequisite: 32070326 Basic Engines  32070361 Diesel Engine Repair Corequisites: 32070326 Basic Engines and 32070338 Diesel Engine Theory  First Term Total  Second Term - Spring 2027  16 Weeks  32442307 Welding for Mechanics  4 hours per week  Second Math First 8 Weeks  32804303 Applied Math First 8 Weeks  32404376 DC Automotive Electrical* Corequisite: 32412301 Diesel Safety and Industry Practices  Record Termey*  First Systems* Corequisites: 3240375 Automotive Fundamentals and 32404376 DC Automotive Electrical Theory* Perrequisite: 32412301 Diesel Safety and Industry Practices  Introduction to Live Repair*  Second 8 Weeks  32070370 1 Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisite: 32412301 Diesel Safety and Industry Practices  Second 8 Weeks  32070377 1 Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisite: 32412301 Diesel Safety and Industry Practices  Second 8 Weeks  32070377 1 Protectical Circuits Corequisites: 32070370 12-Volt Electrical Theory  Second 8 Weeks  32070377 1 Protectical Circuits Corequisites: 32070370 12-Volt Electrical Theory and 22070371 Introduction to Live Repair) OR (32404375 DC Automotive Electrical Systems)							
3207038 Diesel Engine Theory Corequisites 32070326 Basic Engines  32070361 Diesel Engine Repair Corequisites: 32070326 Basic Engines and 32070338 Diesel Engine Theory  First Term Total  28-32 hours per week  15 credits  Second Term - Spring 2027  16 Weeks  32442307 Welding for Mechanics  4 hours per week  5 credits  20 hours per week  2 credits  Second Term - Spring 2027  16 Weeks  32404303 Applied Math 4 hours per week  First 8 Weeks  32404376  DC Automotive Electrical* Corequisites: 32404375 Automotive Fundamentals OR 32070370  12-Volt Electrical Theory** Prerequisites: 32404375 Automotive Fundamentals and 32404377 Electrical Theory Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisites: 32070370 12-Volt Electrical Theory  Second 8 Weeks  32070370  12-Volt Electrical Circlic Corequisites: 32070370 12-Volt Electrical Theory and 32070371 Introduction to Live Repair Prerequisites: 32070370 12-Volt Electrical Theory and 32070371 Introduction to Live Repair OR (32404376 DC Automotive Electrical Automotive Electrical Theory and 32070371 Introduction to Live Repair) OR (32404376 DC Automotive Electrical and 32404377 Electrical Systems)	32070326	Basic Engines	20 hours per week	5 credits			
Corequisite: 32070326 Basic Engines  32070361 Diesel Engine Repair Corequisites: 32070326 Basic Engines and 32070338 Diesel Engine Theory  First Term Total  28-32 hours per week  5 credits  Second Term - Spring 2027  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 DC Automotive Electrical* Corequisite: 32404375 Automotive Fundamentals OR 32070370 Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisites: 32402375 Automotive Fundamentals and 32404377 Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404377 Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisites: 32070370 12-Volt Electrical Theory  Second 8 Weeks  32070370 1 12-Volt Electrical Theory  Second 8 Weeks  32070370 1 12-Volt Electrical Theory  Second 8 Weeks  32070370 1 12-Volt Electrical Theory and 32070371 1 Introduction to Live Repair ** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisites: 32412301 Diesel Safety and Industry Practices and Corequisites: 32070370 12-Volt Electrical Theory  Second 8 Weeks  20 hours per week 5 credits  Corequisites: 32070370 12-Volt Electrical Theory and 32070371 1 Introduction to Live Repair) OR (32404376 DC Automotive Electrical Theory and 32070371 1 Introduction to Live Repair) OR (32404376 DC Automotive Electrical Theory and 32070371 1 Introduction to Live Repair) OR (32404376 DC Automotive Electrical Automotive Electrical Systems)		Second 8 Weeks					
Corequisites: 32070326 Basic Engines and 32070338 Diesel Engine Theory  First Term Total  28-32 hours per week 15 credits  Second Term - Spring 2027  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 DC Automotive Electrical* Corequisite: 32404375 Automotive Fundamentals OR OR 32070370 12-Volt Electrical Theory** Prerequisite: 32412301 Diesel Safety and Industry Practices  32404377 Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical OR 32070371 Second 8 Weeks  32070371 Second 8 Weeks 32070371 1-Volt Electrical Theory and 32070371 1-Volt Electrical Theory and 32070371 Introduction to Live Repair) OR (32404376 DC Automotive Electrical Theory and 32070371 Introduction to Live Repair) OR (32404376 DC Automotive Electrical and 32404377 Electrical Systems)	32070338		4 hours per week	1 credit			
Second Term - Spring 2027  16 Weeks  324042307 Welding for Mechanics  4 hours per week  2 credits  32804303 Applied Math  First 8 Weeks  32404376 DC Automotive Electrical* Corequisite: 32404375 Automotive Fundamentals  OR  12-Volt Electrical Theory** Prerequisite: 32412301 Diesel Safety and Industry Practices  32404377 Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical  OR  10 N  10 N  10 N  11 Nours per week  12 credits  12 hours per week  3 credits  13 credits  14 hours per week  3 credits  15 hours per week  16 hours per week  17 hours per week  18 hours per week  19 hours per week  10 hours per week  10 hours per week  10 hours per week  11 hours per week  12 hours per week  13 credits  14 hours per week  15 credits  17 hours per week  18 hours per week  19 hours per week  10 hours per week  10 hours per week  10 hours per week  11 hours per week  12 hours per week  13 credits  14 hours per week  15 credits  16 hours per week  17 hours per week  18 hours per week  19 hours per week  19 hours per week  20 hours per week	32070361	Corequisites: 32070326 Basic Engines and 32070338 Diesel	20 hours per week	5 credits			
16 Weeks   32442307   Welding for Mechanics   4 hours per week   2 credits   32804303   Applied Math   4 hours per week   2 credits		First Term Total	28-32 hours per week	15 credits			
32404307 Welding for Mechanics 4 hours per week 2 credits  32804303 Applied Math 4 hours per week 2 credits  First 8 Weeks  32404376 DC Automotive Electrical* Corequisite: 32404375 Automotive Fundamentals OR 32070370 12-Volt Electrical Theory** Prerequisite: 32412301 Diesel Safety and Industry Practices  32404377 Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical Theory  OR 32070371 Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisites: 32070370 12-Volt Electrical Theory  Second 8 Weeks  32070371 Introduction to Live Repair) OR (32404376 DC Automotive Electrical and 32404377 Electrical Systems)		Second Term - Spring 2027					
32804303 Applied Math  First 8 Weeks  32404376 DC Automotive Electrical* Corequisite: 32404375 Automotive Fundamentals  OR 32070370 12-Volt Electrical Theory** Prerequisite: 32412301 Diesel Safety and Industry Practices  32404377 Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical  OR 32070371 Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisite: 32070370 12-Volt Electrical Theory  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 32404376 DC Automotive Electrical and 32404377 Electrical Systems)		16 Weeks					
First 8 Weeks  32404376 DC Automotive Electrical* Corequisite: 32404375 Automotive Fundamentals OR 32070370 12-Volt Electrical Theory** Prerequisite: 32412301 Diesel Safety and Industry Practices  32404377 Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical OR 32070371 Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisite: 32070370 12-Volt Electrical Theory  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)  5 credits  5 credits  5 credits	32442307	Welding for Mechanics	4 hours per week	2 credits			
32404376 DC Automotive Electrical* Corequisite: 32404375 Automotive Fundamentals OR 32070370 12-Volt Electrical Theory** Prerequisite: 32412301 Diesel Safety and Industry Practices  32404377 Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical OR 32070371 Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisite: 32070370 12-Volt Electrical Theory  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)	32804303	Applied Math	4 hours per week	2 credits			
Corequisite: 32404375 Automotive Fundamentals  OR 32070370  12-Volt Electrical Theory** Prerequisite: 32412301 Diesel Safety and Industry Practices  32404377  Electrical Systems* Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical  OR 32070371  Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisite: 32070370 12-Volt Electrical Theory  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)  5 credits		First 8 Weeks					
Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical  OR 32070371 Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices and Corequisite: 32070370 12-Volt Electrical Theory  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)	OR	Corequisite: 32404375 Automotive Fundamentals  OR  12-Volt Electrical Theory**	8 hours per week	2 credits			
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)	OR	Corequisites: 32404375 Automotive Fundamentals and 32404376 DC Automotive Electrical OR Introduction to Live Repair** Prerequisite: 32412301 Diesel Safety and Industry Practices	12 hours per week	3 credits			
Corequisites: 32070370 12-Volt Electrical Theory and 32070371 Introduction to Live Repair) OR (32404376 DC Automotive Electrical and 32404377 Electrical Systems)		Second 8 Weeks					
Second Term Total 28 hours per week 14 credits	32070367	Corequisites: 32070370 12-Volt Electrical Theory and 32070371 Introduction to Live Repair) OR (32404376 DC	20 hours per week	5 credits			
		Second Term Total	28 hours per week	14 credits			



# 32-412-4 Diesel Equipment Technician

## 2026-27 Required Courses Northwood Technical College New Richmond

New Richmond										
Catalog Number	Course Title	*Hours per Week	Credits	Notes	Date Completed	Transfer or Grade				
	Third Term - Fall 2027									
	16 Weeks									
32804313	Applied Math 2	4 hours per week	2 credits							
	Prerequisite: 32804303 Applied Math									
	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 2028									
	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		<del>                                     </del>		1	1				
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					1				
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							



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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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or 715.752.8128. You will receive a response within 5 business days.