

**31-461-4 MARINE REPAIR TECHNICIAN  
2025-26 REQUIRED COURSES  
NORTHWOOD TECHNICAL COLLEGE  
ASHLAND  
SPRING START**



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

Date \_\_\_\_\_

CATALOG NUMBER	COURSE TITLE	*HOURS PER WEEK	CREDITS	MARINE REPAIR ESSENTIALS PATHWAY CERTIFICATE (61-461-1)	MARINE REPAIR TECHNICIAN TECHNICAL DIPLOMA (Financial Aid Eligible)	DATE COMPLETED	TRANSFER OR GRADE
<b>FIRST TERM - SPRING 2026</b>							
<b>16 Weeks</b>							
31461315	Marine Electricity/Electronics Corequisite: 31461314 Outboard Motors	4 hours per week	2 credits	Marine Repair Essentials	Marine Repair Technician		
31461330	Marine Welding Corequisite: 31461314 Outboard Motors	2 hours per week	1 credit	Marine Repair Essentials	Marine Repair Technician		
32804303	Applied Math	4 hours per week	2 credits		Marine Repair Technician		
<b>First 7 Weeks</b>							
31461314	Outboard Motors	23 hours per week	5 credits	Marine Repair Essentials	Marine Repair Technician		
<b>Second 7 Weeks</b>							
31461322	Inboard Engines Corequisite: 31461314 Outboard Motors	23 hours per week	5 credits	Marine Repair Essentials	Marine Repair Technician		
<b>Last 2 Weeks</b>							
31461325	Marine Diesel Corequisite: 31461314 Outboard Motors	16 hours per week	1 credit	Marine Repair Essentials	Marine Repair Technician		
<b>FIRST TERM TOTAL</b>		26-33 hours per week		14 Credits Marine Repair Essentials	16 Credits Marine Repair Technician		
<b>SECOND TERM - FALL 2026</b>							
31461318	Outboard Gear Cases/Rigging Prerequisite: 31461314 Outboard Motors	10 hours per week	5 credits		Marine Repair Technician		
31461319	Sterndrive Systems Prerequisite: 31461314 Outboard Motors	10 hours per week	5 credits		Marine Repair Technician		
31461323	Inboard Transmission Systems Prerequisite: 31461314 Outboard Motors	4 hours per week	2 credits		Marine Repair Technician		
32801361	Applied Communications	4 hours per week	2 credits		Marine Repair Technician		
<b>SECOND TERM TOTAL</b>		28 hours per week			14 Credits Marine Repair Technician		

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<b>THIRD TERM - SPRING 2027</b>							
31461317	Marine Engine Systems Prerequisite: 31461314 Outboard Motors	10 hours per week	5 credits		Marine Repair Technician		
31461321	Introduction to Can-Bus Systems Prerequisite: 31461314 Outboard Motors	4 hours per week	2 credits		Marine Repair Technician		
31461346	Marine Engine Computer Control Systems Prerequisite: 31461314 Outboard Motors	10 hours per week	5 credits		Marine Repair Technician		
	<b>THIRD TERM TOTAL</b>	24 hours per week			<b>12 Credits</b> Marine Repair Technician		
	<b>TOTAL CREDITS</b>			<b>14 Credits</b> Marine Repair Essentials	<b>42 Credits</b> Marine Repair Technician		

\*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 GPA of 2.0 in a 4.0 grade system is required to graduate.*

*CERTIFICATE REQUIREMENTS: Although your academic advisor can provide guidance, you are ultimately responsible for selecting courses that meet a certificate's completion*

**EARN CREDIT FOR WHAT YOU ALREADY KNOW:** [Visit Credit for Prior Learning for more information](#)

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