

PENDING WTCS APPROVAL  
 31-461-4 MARINE REPAIR TECHNICIAN  
 2024-25 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 2025</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 2025</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 2026</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		

*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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