

**31-461-4 MARINE REPAIR TECHNICIAN
2024-25 REQUIRED COURSES
NORTHWOOD TECHNICAL COLLEGE
ASHLAND
FALL 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
FIRST TERM - FALL 2024							
16 Weeks							
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		
First 7 Weeks							
31461314	Outboard Motors	23 hours per week	5 credits	Marine Repair Essentials	Marine Repair Technician		
Second 7 Weeks							
31461322	Inboard Engines Corequisite: 31461314 Outboard Motors	23 hours per week	5 credits	Marine Repair Essentials	Marine Repair Technician		
Last 2 Weeks							
31461325	Marine Diesel Corequisite: 31461314 Outboard Motors	16 hours per week	1 credit	Marine Repair Essentials	Marine Repair Technician		
FIRST TERM TOTAL		22-29 hours per week		14 Credits Marine Repair Essentials	14 Credits Marine Repair Technician		
SECOND TERM - SPRING 2025							
16 Weeks							
32804303	Applied Math	4 hours per week	2 credits		Marine Repair Technician		
First 7 Weeks							
31461317	Marine Engine Systems Prereq: 31461314 Outboard Motors	24 hours per week	5 credits		Marine Repair Technician		
Second 7 Weeks							
31461346	Marine Engine Computer Control Systems Prereq: 31461314 Outboard Motors	24 hours per week	5 credits		Marine Repair Technician		
Last 2 Weeks							
31461321	Introduction to Can-Bus Systems Prereq: 31461314 Outboard Motors	24 hours per week	2 credits		Marine Repair Technician		
SECOND TERM TOTAL		28 hours per week			14 Credits Marine Repair Technician		

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THIRD TERM - FALL 2025							
16 Weeks							
32801361	Applied Communications	4 hours per week	2 credits		Marine Repair Technician		
First 7 Weeks							
31461318	Outboard Gear Cases/Rigging Prerequisite: 31461314 Outboard Motors	24 hours per week	5 credits		Marine Repair Technician		
Second 7 Weeks							
31461319	Sterndrive Systems Prerequisite: 31461314 Outboard Motors	24 hours per week	5 credits		Marine Repair Technician		
Last 2 Weeks							
31461323	Inboard Transmission Systems Prerequisite: 31461314 Outboard Motors	24 hours per week	2 credits		Marine Repair Technician		
THIRD TERM TOTAL		28 hours per week			14 Credits Marine Repair Technician		
TOTAL CREDITS				14 Credits Marine Repair Essentials	42 Credits 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 requirements. This certificate requires a GPA of 2.0 in a 4.0 grade system to complete.

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

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