

MARINE SERVICE TECHNOLOGY

Course Code:

8750/8751

Course Description:

In this continuing introduction to the Marine Industry, students will learn a broad range of skills for work in the Marine Trades occupation. They will become well educated on the opportunities available to them, and will understand the importance of the industry as a whole. Students will gain entry level Marine Trades skills in the areas including: basic seamanship, shop and boating safety, inboard and outboard systems, basic engine theory, fiberglass construction and repair, electrical, vessel storage/handling, as well as proper tool and equipment usage. The course is based on the National Marine Trades Curriculum, developed by the American Boat and Yacht Council (ABYC).

Topics of Study:

Safety
Hand & Power Tools
Boat Handling & Navigation
Ropes, Knots, & Docking
Boat Design & Construction
Woodworking
Fiberglass Construction & Repair
Boat Systems & Operation - Electrical, Fuel, & Plumbing
Inboard & Outboard Engine Systems
Boat & Engine Maintenance
Marina Operations & Services

Campus Location:

Butler Farm, Hampton

Sessions:

AM and PM

Class Size:

20 students

Credentials:

ABYC NOCTI Certification
OSHA 10 Certification
Virginia Boaters Safety Certification

Career & Technical Student Organization:

SkillsUSA

Work-Based Learning Opportunities:

Summer Mentorship
Job Shadowing
Paid Internship

Course Prerequisites:

Completed 10th grade English with a grade of “C” or better

Instructor Bio:

Craig Freeman
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757-766-1100 ext. 3346
25+ years of educational experience
50-ton Master’s Endorsement from USCG
Owns and Operates Grading Scales Sportfishing

Projected Employment:

Overall employment of small engine mechanics is projected to grow 3 percent from 2022 to 2032, about as fast as the average for all occupations. “Small Engine Mechanics.” Occupational Outlook Handbook, US Bureau of Labor Statistics, 10 October, 2023.

<https://www.bls.gov/ooh/installation-maintenance-and-repair/small-engine-mechanics.htm#tab-6>

Career Pathways:

Marine Service Technician
Diesel Service Technician & Mechanic
Service Writer/Warranty
Service Parts Manager
Marine Rigger
Marine Sales
Marine Engineering & Architecture

Program Flyer: (linked)