General Information

ATTENDANCE
STUDENTS ATTEND THE TECHNICAL CENTER AT THESE TIMES, DEPENDING ON THEIR YEAR IN THE PROGRAM:
FIRST YEAR
MORNINGS—9:00 TO 11:30
SECOND YEAR
AFTERNOONS—12:00 TO 2:30

HIGH SCHOOL CREDITS
STUDENTS EARN 3 CREDITS FOR THE SUCCESSFUL COMPLETION OF MARINE TRADES I AND 3 CREDITS FOR THE SUCCESSFUL COMPLETION OF MARINE TRADES II.

TRANSPORTATION
STUDENTS ARE TRANSPORTED TO AND FROM THE TECHNICAL CENTER IN BUSES PROVIDED BY THEIR HOME SCHOOLS.

Students will participate in the Virginia Department of Game and Inland Fisheries Boating Education program to get their Virginia Boater Education Certificate.

SUGGESTED STUDENT REQUIREMENTS
1. Ability to read and interpret service manuals and publications
2. Ability to use laptop computers and PDA’s
3. Ability to lift 50 LBS or more
4. Basic knowledge of boat operations
5. Must show interest in Marine Trades as a career
6. Ability to use basic hand and power tools
7. General math skills
8. Ability to work outdoors and in tight spaces
9. Students should be able to swim

Learn how to launch a boat!
Learn boating safety tips!
Explore fun on the water!

Northern Neck Technical Center
Governor’s STEM Academy
(804) 333-4940
13946 Historyland Highway
Warsaw, VA 22572
www.northernnecktech.org
Instructor:
Michael cullen
mcullen@northernnecktech.org
SkillsUSA

Students will be able to participate in the SkillsUSA club. They will be able to compete in local, district, state, and national competitions.

The Northern Neck Technical Center does not discriminate against any group or individual on the basis of race, color, religion, sex, national origin, age, or disability.

Students get to learn about charts with a focus on the Chesapeake Bay.

Students also work with wooden boats!

American Boat and Yacht Council

For more information about the ABYC certification program visit: http://www.abycinc.org

This program is designed to offer students hands-on operation of boats, motors and trailers and to teach the practical application in the field of Marine Technology. After completion of the two year program students will be able to sit for an American Boat and Yacht Council (ABYC) exam. The curriculum is a Virginia Department of Education modification of an existing ABYC course and is designed to bring into the Marine Trades a force of younger workers who will learn about the various Maritime fields.

COURSE OUTLINE

FIRST YEAR

- SHOP AND BOAT SAFETY
- NAVIGATION
- ENGINE MECHANICS
- OUTBOARD MAINTENANCE
- INBOARD/OUTBOARD SYSTEMS
- ELECTRICAL AND AIR CONDITIONING SYSTEMS
- MARINE OPERATIONS
- IGNITION SYSTEMS
- TROUBLESHOOTING

SECOND YEAR

During the second year, the course moves from a general perspective to emphasis on the following specialized areas:

- INSTRUMENTATION
- HULL REPAIR
- PLUMBING
- READING CHARTS
- TRAILER MAINTENANCE
- WOODWORKING
- ABYC STANDARDS CERT TEST PREP

The Maritime Trades program is designed to have students versed in the marine ABYC standards of the ABYC certifications. Students may pursue the additional ABYC certifications with the knowledge they acquire.