

# MARINE SERVICE TECHNOLOGY

Become a member of a select group of skilled certified marine technicians today!

This program includes the following content: service, repair of the four-stroke and two-stroke cycle engines and outboard motors; and service and repair of boating accessories. With regard to the above, course content will include electrical systems, fuel systems, power transfer systems, ignition systems, cooling systems, lubrication systems, drive systems, and boat and trailer rigging.

The course content also includes training in communication, leadership, human relations and employability skills; and safe, efficient work practices.

The program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Marine Service industry: planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

Shop or laboratory activities are an integral part of the program. These activities provide instruction in the use of tools, equipment, materials, and processes found in the industry. Students are also instructed in the following: tools, test equipment, current model outboard motors, inboard-outdrive motors, location and installation of accessories, boat trailers, and operational testing.

## PROGRAM OUTCOMES

After successfully completing the program, the student will be able to:

- Perform shop practices to industry standards
- Maintain and repair electrical systems
- Maintain and repair starting systems
- Maintain and repair battery ignition systems
- Maintain and repair capacitor discharge ignition systems
- Maintain and repair fuel systems
- Maintain and repair two-stroke cycle carburetors
- Maintain and repair inboard gas systems
- Maintain and repair cooling systems
- Maintain and repair lubrication systems
- Maintain and repair stern drive upper gear case
- Perform upper to lower gear case maintenance
- Maintain and repair lower gear cases
- Maintain and repair transmissions
- Assemble and maintain outboard lower units and housing assemblies
- Adjust and repair trailers
- Maintain and repair inboard diesel systems
- Demonstrate appropriate communication skills
- Demonstrate appropriate mathematics skills



- Demonstrate appropriate understanding of basic science
- Demonstrate employability skills
- Demonstrate an understanding of entrepreneurship
- Maintain and repair personal watercraft

## REGISTRATION REQUIREMENTS

Students must take the Tests of Adult Basic Education (TABE) prior to entering the program.

## COMPLETION TIME

The program length is 1350 hours

## CAREER OPPORTUNITIES

This program prepares students for employment as machinery mechanics; marine engine mechanics or diesel engine mechanics, service writer and parts tech.

## CERTIFICATES

A certificate is awarded to students who successfully complete the program's competencies and satisfy basic skill requirements in accordance with state guidelines.

- A. Marine Rigger
- B. Service Writer/Parts Technician
- C. Outboard Technician
- D. Stern Drive Technician
- E. Inboard Gasoline Technician
- F. Inboard Diesel Technician

12 Mercury Factory Certifications

## SALARY RANGE

\$12.35/hr.- \$23.84/hr.

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