MASSASOIT COMMUNITY COLLEGE | WORKFORCE DEVELOPMENT AND COMMUNITY EDUCATION

MARINE TECHNICIAN 350-HOUR CERTIFICATE PROGRAM

Work in an environment you love! Our marine program allows you to work during the day while you train for your new career at night. We have run full programs of twenty students each for the last five years. The 350-Hour Certificate Program involves the three required courses listed below, and runs two evenings a week, plus every second or third Saturday. Eachyear the program starts in September and ends in May.

CSTT205 Marine Technician Fundamentals (140 hours) $837

This course is the first of three modules required to earn the Marine Technician 350-hour Certificate, a program approved by and offered in partnership with the Massachusetts Marine Trades Association (MMTA). This course provides a brief overview of the marine industry and working environment for technicians, marine tools and equipment, and safety training. Introduced are the basic principles of internal combustion engines, engine systems, and basic electricity, plus the theory of power generation. In addition, fuel, water, steering, electrical, lubrication, ventilation, ignition and instrumentation systems are presented, as well as basic trouble-shooting for each system. Also covered are Spring preparation and repair, Fall lay-up, trailering, yard equipment, and basic boat moving and handling. Instruction includes both lecture and hands-on training. The second and third modules: Marine Technician Outboard Engines and Marine Technician Inboard Engines are offered the following semester.

CSTT206 Marine Technician Outboard Engines (96 hours) $707

This course is the second of three modules required to earn the Marine Technician 350-hour Certificate. Participants learn the various parts and processes involved in installation, repair, and maintenance of outboard engines. Included is instruction on fuel, electrical, lubrication, and cooling systems of two and four stroke outboards, both carbureted and injected engines. Also covered are lower units and propulsion, power tilt/ trim, tune-up, trouble-shooting, winterization and preventive maintenance of outboards. Instruction includes both lecture and hands-on training. Marine Technician Fundamentals is a pre-requisite for this course, and the third required course, Marine Technician Inboard Engines, will be offered next.

CSTT207 Marine Technician Inboard Engines (114 hours) $717

This course is the third of three modules required to earn the Marine Technician 350-hour Certificate. Participants learn theory, design, operation, controls, installation, maintenance, and troubleshooting skills for marine inboard, inboard/outboard, stern drive, and diesel engines. The design differences among the engines, as well as their various cooling, lubrication, exhaust, gearing, propulsion, transmission, and hydraulic systems are presented. Instruction includes both lecture and hands-on training. Marine Technician Fundamentals and Marine Technician Outboard Engines are pre-requisites for this course.

To gain more information or discuss enrollment criteria call

Elaine Stewart, Dean of Workforce Development and Community Education
508-588-9100 x1560 or estewart@massasoit.mass.edu

Web Registration is not available for this program, as it involves an approval process.