

Associate in Science (AS) Marine Engineering

This program is designed to prepare individuals for work in the Maritime Industry. Students will develop a wide range of skills, including maintaining and repairing mechanical, electrical, hydraulic and pneumatic systems used in pleasure and commercial craft creating a well rounded Marine Technician or Professional Mariner ready to assume the role of Charter Boat Captain, Marine Technician, Marine Fabricator, Marine Electrician, Boat Builder, or Project Planner.

General Education Requirements (15 credits)

ENC 1101 English Composition (3)

MAC 1105 College Algebra (3) OR MGF 1106 Math for Liberal Arts I (3) OR STA 2023 Introduction to Probabilities & Statistics I (3)

SPC 1608 Introduction to Speech Communication (3)

Any course from Humanities/Fine Arts (Area I, Section B) (3)

Any course from Social/Behavioral Science (Area IV) (3)

Core Requirements (42 credits)

CGS 1100 Introduction to Computer Applications (3)

ENT 1000 Entrepreneurship (3) OR GEB 1011 Introduction to Business (3) OR BUL 2241 Business Law (3)

MTE 1001C Marine Diesel Engine Overhaul (3)

MTE 1053C 2 & 4-Cycle Outboard Repair & Maintenance (3)

MTE 1183C Marine Engine Installation & Repowering Procedures (3)

MTE 1301 Fiberglass Theory (3)

MTE1371C Fiberglass Boat Repair and Maintenance (3)

MTE 1400C Applied Marine Electricity (3)

MTE 1651C Gas & Electric Welding (3)

MTE 1811 Basic Seamanship (3)

MTE 2062 Marine Corrosion and Corrosion Prevention (2)

MTE 2234C Marine Gearcase, Outdrives & Transmission Systems (4)

MTE 2541C Marine Auxiliary Equipment Servicing (3)

OCB 1000 Introduction to Marine Biology (3) OR OCE 1001 Introduction to Oceanography (3)

Elective Cluster (Choose one: 9-10 credits hours)

Gasoline Engines (9 credits)

MTE 1166C Marine Ignition & Fuel Systems (3)

MTE 2054C Marine 4-Cycle Gasoline Engines (3)

MTE 2072C Marine Propulsion Gasoline Engine Troubleshooting (3)

Diesel Engines (9 Credits)

MTE 1056C Marine Diesel Systems (3)

MTE 2058C Diesel Engine Testing Troubleshooting Procedures (3)

MTE 2160C Diesel Fuel Injection Systems (3)

Fiberglass (9 Credits)

MTE 1300C Introduction to Fiberglass Boat Manufacturing. (5)

MTE 1302C Advance Fiberglass Boat & Accessory Construction (4)

Seamanship (10 Credits)

MTE 1200 Coastal Navigation (3)

MTE 1882 Ocean Operator License Prep (4)

MTE 2883 One Hundred Ton Gross Master (3)

Welding (9 Credits)

Any MTE elective cluster course (3)

MTE 2652C Advanced Welding Techniques (3)

MTE 2654C Pipe Welding with MIG and TIG

Total Credits Required: 66

