

INDUST MAINT MARITIME VESSEL (IMTV)

IMTV 1100 - Basic Welding (3 Credit Hours)

A review of safety regulating the welding industry, identifies and applies oxyfuel cutting, plasma arc cutting, and carbon arc cutting and gouging in these areas: equipment, cutting techniques, and setup requirements; concepts in proper visual testing methods, and a study of proper base metal preparation and joint fit-up; and describes both carbon arc cutting and plasma arc cutting and welding equipment, setup, and use.

Prerequisite(s): None
(1/2/3)

IMTV 1200 - Basic Hydraulics (3 Credit Hours)

This course includes the principles of basic hydraulic systems and general maintenance procedures of a hydraulic system. Also included are the disassembly and assembly of hydraulic components and the application of safety rules and regulations.

Prerequisite(s): None
(3/0/3)

IMTV 1501 - Maritime Life (3 Credit Hours)

Students are introduced to maritime careers and the maritime culture. The introduction to maritime studies is designed to familiarize students with the dynamic cultural and natural resources of the maritime environment. Students will gain knowledge and understanding of maritime environments with an emphasis on safety. Regulations and requirements for maritime employability are a required component of this course.

Prerequisite(s): None
(3/0/3)

IMTV 1510 - STCW - Basic Training (3 Credit Hours)

Students are introduced to maritime careers and the maritime culture. The introduction to maritime studies is designed to familiarize students with the dynamic cultural and natural resources of the maritime environment. Students will gain knowledge and understanding of maritime environments with an emphasis on safety. Regulations and requirements for maritime employability are a required component of this course. Field trips are integrated into the instructional delivery.

Prerequisite(s): None
(3/0/3)

IMTV 1520 - Seamanship I (3 Credit Hours)

The purpose of this course is to introduce students to safety and important aspects of the maritime industry. Seamanship I encompasses maritime navigation laws (International and Inland light configurations and ship whistle signals), nautical terminology, line handling (natural and synthetic), knots, splices, hitches, aids to navigation, anchoring and mooring, training performing duties of a lookout, compass principles, firefighting, water survival, lifesaving appliances, and other topics that are crucial for students entering the maritime industry.

Prerequisite(s): None
(2/1/3)

IMTV 2100 - Marine Weather & Meteorology (3 Credit Hours)

This course provides an overview of marine weather and meteorology and the practical techniques of coastal navigation with regard to wind, tides, visibility, shoal water and vessel positioning. The program utilizes a marine navigation lab and teaches techniques to plot the position of a vessel, predict tidal levels, current velocity and the effect of these forces on future vessel position.

Prerequisite(s): None
(2/1/3)

IMTV 2110 - Marine Hazardous Materials (3 Credit Hours)

This course will introduce the student to the laws, standards and regulations that apply to hazardous materials incidents and response and provide the student with information to recognize a hazardous materials incident, appropriate notification procedures, appropriate authorities, and how to maintain the safety of personnel. The student will acquire the knowledge and skills of how to take defensive actions at a scene involving hazardous materials or hazardous waste and in doing so protect themselves, the public, property, and the environment.

Prerequisite(s): None
(2/1/3)

IMTV 2120 - Introduction To Marine Safety (3 Credit Hours)

This course indoctrinates students to a comprehensive maritime safety culture. Personal conduct, awareness and knowledge focused on understanding the laws and liabilities associated with employment in the industry is emphasized to ensure marine safety competencies and compliance.

Prerequisite(s): None
(2/1/3)

IMTV 2130 - Marine Elec Navigation & Radar (3 Credit Hours)

This is an introductory course into marine electronic navigation. Topics of discussion includes the Global Navigation Satellite Systems (GNSS), Radar, Automatic Radar Plotting Aids (ARPA), Fathometers, Satellite Navigation, Global Maritime Distress and Safety Systems (GMDSS), and Electronic Chart Display Information Services (ECDIS). The focus of this course is on various types of radar, radar theory, navigation, and collision avoidance. This course includes the use of a technical lab providing a hands-on approach in the operation and use of marine radars and other electronic equipment pertinent to safe navigation and watch-standing of shipboard personnel.

Prerequisite(s): None
(2/1/3)

IMTV 2140 - Intro Maritime Transportation (3 Credit Hours)

Introduction to the business of maritime transportation focusing on the commercial aspects of shipping. The maritime transportation system as a whole is analyzed starting from the source of cargo to the end destination. Topics include concepts of shipping management, shipping regulatory frameworks, types of shipping, the role of marine terminals, and understanding freight rates. Several types of ships, shipping services and types of cargos are described including tramp shipping, chartering, passenger operations, industrial carriers, and inland waterway vessels.

Prerequisite(s): None
(2/1/3)