

## **Ship Construction & Basic Stability (STRCTR-449)**

**Length** 40 hours (1 week)

### **Scope**

In accordance with the Standards of Training, Certification and Watchkeeping (STCW) Code of 1995 and U.S. Coast Guard regulations every candidate for certification as second mate and third mate of ships of 500 gross tons or more shall be required to demonstrate the competence to undertake at the operational level the tasks, duties, and responsibilities listed in column 1 of Table A-II/1 in the STCW Code 95. This course is intended to meet those.

### **Objective**

The objective of the course is to provide the student with detailed knowledge to support the training outcomes related to navigation at the operational level and in doing so satisfy company, national, and international regulations for candidates for certification as second mate or third mate as follows:

#### STCW Code A-II/1

- Controlling the operation of a ship
- Maintain seaworthiness of the ship
- Principal of structural members of a ship
- Stability, trim, and stress tables

#### USCG 46 CR 10.910 Table 10.910-2

- Ship construction
- Basic stability

Upon completion of this course the student will be knowledgeable of and have a proficiency in the following areas:

- Ship construction
- Basic stability

### **Entry Standards**

The course is open to students who have a need for such training as required by the U.S. Coast Guard / STCW-95. Students should be documented as able seaman, or at least be following an approved program of shipboard training, or have an equivalent and experiential background of three years, and the following:

- In good physical health.
- Speak and understand English.
- At least 21 years of age.

### **Teaching Facility**

STAR Center, Dania Beach, Florida