

## Hydrographic Surveying Courses

### **CATEGORY-B HYDROGRAPHIC SURVEYING COURSE**

[Recognised by 'IHO/FIG/ICA International Board on Standards of Competence (IBSC) for Hydrographic Surveyors and Nautical Cartographers' as a Category-B programme]

#### **AIM OF COURSE**

The course aims to cover a curriculum required for a field hydrographic surveyor at Category-B level.

#### **COURSE OBJECTIVES**

At the end of the course, the participants will be able to:

- Gain adequate insight into theoretical and practical aspects of hydrographic surveying.
- Carry out various hydrographic surveying tasks in the field (under supervision).
- Process data collected in the field and present data in the form of fair sheets and reports of survey.

#### **FOR WHOM**

This course is targeted at fresh entrants into the industry of Hydrographic Surveying and Offshore Surveying (Oil and Gas sector) as well as personnel working in the industry.

#### **BROAD SYLLABUS**

The Category-B Hydrographic Surveying Course comprises the following modules:

F1: Mathematics and Statistics

F2: Information and Communication Technology

F3: Physics

F4: Nautical Science

C1: Bathymetry

C2: Water Levels And Flow

C3: Positioning

C4: Hydrographic Practice

C5: Hydrographic Data Management

C6: Environmental Science

C7: Legal Aspects

S1: Nautical Charting Hydrography

S2: Hydrography to support Port Management & Coastal Engineering

*(Note: 'F' stands for 'Foundation', 'C' stands for 'Compulsory' and 'S' stands for 'Specialism')  
As an integral part of the curriculum of CAT-B HSC, participants are required to carry out a Field Survey towards the end of the Course.*

## **ENTRY REQUIREMENTS**

### **Minimum Qualifications Required for Entry:**

(a) Qualified GCE 'A' Levels with passes in Mathematics, Science (Physics or Chemistry) and English (or an equivalent qualification for foreigners)

### **OR**

Completed a diploma (Engineering, Computing, Mechatronics, Maritime Studies) from a Polytechnic (or an equivalent qualification for foreigners)

(b) Qualified STCW78 (as amended) Basic Safety Training (BST) or equivalent (the certificate shall remain valid for the duration of the course). Applicants who have not completed the STCW78 (amended) BST course are required to attend additional 5-day training before commencement of the course.

## **COURSE STRUCTURE**

Phase I: 26 Weeks (4 days a week) comprising theory & practical lessons and field survey project.

Phase II: 2 years on the job training sponsored by a Hydrographic Survey Company.

For more details please contact Program Manager, Mr. Chandra Sekhar at [chandrasedkhar@stee.stengg.com](mailto:chandrasedkhar@stee.stengg.com); DID: +(65) 6914 6153.

## **NEXT INTAKE**

The 3rd Category-B Hydrographic Surveying Course (CAT-B HSC) is to be advised.

**CONTACT US:** Please contact Ms Lee Pei Leng for enquiries and quotation on the Course.  
Email: [lee.peileng@stengg.com](mailto:lee.peileng@stengg.com); DID: +(65) 6914 6161.