



Professional Diploma in Hydrographic Survey II (CAT B)

This is a premium offering on hydrographic surveying aligned to meet the minimum standards of competence jointly published by the International Federation of Surveyors (FIG), the International Hydrographic Organization (IHO) and the International Cartographic Association (ICA). The Egyptian Navy Hydrographic Department (ENHD) and The Arab Academy for Science, Technology and Maritime Transport (AASTMT) have received recognition for this program as S5-B Cat B from the FIG/IHO/ICA International Board (IB).



Successful completion of the Course will equip the graduating student with the underpinning theory and training at the Category B level of S-5B. As in all fields, the student is ultimately responsible for keeping his or her ongoing competence current. The program utilizes modern technology in the education processes to provide the appropriate and congenial academic environment for our students.

COURSE AIM: The course aims to provide a standard hydrographic course to Egyptian, Arab, African and all over the world candidates which covers the syllabi defined by FIG/IHO/ICA in publication S-5B

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

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

The program is designed primarily for entry-level hydrographic surveyors, particularly those involved with emergent national hydrographic offices wishing to conform to the IHO standards. The program components include:

Basic Subjects:

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| 1- Mathematics, Statistics, Theory of Errors | 4- Earth Sciences |
| 2- Information and Communication Technology | 5- Nautical science |
| 3- Physics | 6- Meteorology |



Essential subjects:

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| 1- Underwater Acoustics | 5- Hydrographic Practice |
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- 2- Remote Sensing
- 3- Water Levels and Flow
- 4- Positioning
- 6- Hydrographic Data Management
- 7- Environment

COURSE STRUCTURE: The course duration is 24 weeks containing 960 Hours (497 Hrs. Theory - 463 Hrs. Practical -477 Hrs. Self-Guided). We would welcome enquires from those interested in a full course or any of its component parts.

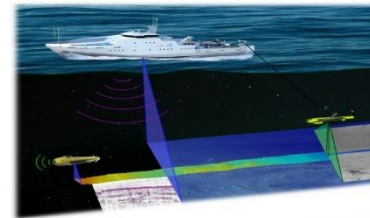
ENTRY REQUIREMENTS: The minimum requirements for admission to the course are:

- 1- College / Diploma level Mathematics and Physics,
- 2- School-level competency in English,
- 3- GIS / CAD / Surveying experience is desirable,
- 4- Proficiency with Computers, office suites and database,

TARGET GROUP: This course is intended for candidates working or applying for a job in the field of hydrographic surveying in the marine, oil and gas industry, coastal and port environment, hydrographic services and offshore construction. The course provides practical knowledge and comprehension of hydrographic surveying for individuals and develops skills to carry out the various operational tasks.



All our training is led by highly experienced hydrographic surveyors who have many years knowledge and expertise gained in the field. We train all levels from entry-level graduates through to highly experienced surveyors looking to extend their knowledge base.



Other courses can be tailored according to the customer needs.

LOCATION: Meteorology & Hydrographic Survey Program. College of Maritime Transport & Technology (CMTT), Arab Academy for Science, Technology & Maritime Transport (AASTMT), Abu Qeer, Alexandria, Egypt

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