



Bachelor in Navigation (Deck Officer)

Aims and Rational of the Program

This program aims to educate and train students in order to successfully fulfill their economic, organizational and management activities within the range of one's duties in the role of a Deck Officer in complicated and often extreme situations with multinational crews. The program ensures graduates with a wide range of competencies including, but not limited to:

- Critical thinking and space orientation
- Quick and objective appraisal of the situation and taking timely and effective actions
- Leadership and teamwork
- Understanding of ship crew responsibilities and duties
- Understanding of ship construction theory and practice
- Knowledge and skills in Social, Economic and Law Subjects
- High Intelligence and Knowledge in Humanitarian Subjects, including inter alia: culture, ethics, skills for self-training, ability in acquiring new developments of the shipping industry
- Training in fundamental engineering
- Mastery of fundamental sea competencies and skills (sailing, rowing and steering; first medical aids)
- Fundamental personal qualities: discipline, honesty, objectivity, organization, independence and initiative, responsibility, sustainability in physical and mental stress, adaptability and professionalism.

STCW Requirements

The program is in accordance with the STCW Requirements [Manila Amendments 2010] and students upon successful graduation and appropriate completion of the cadetship practice are eligible to sit for the exam at Bulgarian Maritime Administration in order to obtain their STCW Certificate of Competency.

Careers

- Watch keeping Deck Officers on board all types of ships;
- Following approved seagoing service and having completed approved education and training, as determined in STCW – Chief mates and Masters on board all types of ships;
- NOTICE: Seafarers' Certificates of Competency issued by Member States of the European Union are equivalent to the corresponding Greek (Law 3450/2006 (Government Gazette A64 / 30-3-2006), Article 19, Recognition of Foreign Certificates of Competency and Proof of Maritime Skills);
- After additional short-term further education or postgraduate studies (Master and a PhD degree), they can work as senior executives in shipping-related fields such as shipping companies, shipyards, transport, classification societies and insurance.
- After additional short term specific qualification - Senior managers in maritime-related sectors such as shipping companies, shipbuilding, shipyards, logistics, transportation, classification societies, and insurance.

Entry Requirements

- High school or an equivalent title entitling the candidate to enter higher education;
- Medical & Eyesight Fitness Certificate;
- Candidate's Declaration for ability to swim;
- English Language Certificate at B2;
- Successful interview with the Academic Director in Athens.

Duration of the Program

Duration of studies is four (4) years full-time, the first two taught at New York College in Athens and the following two years at Technical University (TU) in Varna, Bulgaria.

For the completion of studies and the issuance of a Certificate of Competency as officer in charge of an navigational watch, two semesters (12 months) on board training must be carried out before graduation in order to become entitled to take the examinations at the Bulgarian Maritime Administration and obtain an STCW Certificate of Competency (COC).

New York College, in cooperation with TU Varna, instructs students how to find a ship to carry out their on-board training.

Curriculum

Year 1	Year 2	Year 3	Year 4
Higher Mathematics -1 Computer Science & Computer Technology Commodity Science Engineering Graphics Medical Care - First Aid English – 1 Optional Subject*: 1 semester Total:30	International Maritime Conventions Leadership and Teamwork Methods and Means for Environmental Preservation Safety of Navigation Electrical Engineering and Electronics English –3 Optional Subject Sports Management –1 3 semester Total: 31	Navigation I – 2 Ship's Operation and Cargo Handling - 1 Damage Control on Board the Ship Pilotage and Hydrography English –5 Marine Power Plants 5 semester Total: 30 Astronavigation Technical Aids to Navigation English – 6 Theory of Maneuvering Ship's Operation and Cargo Handling - 2 Navigation II Navigation Training – 3 6 semester Total: 41 Facultative Subjects (31) Additional Training for Seafarers in compliance with STCW Convention – part 1 AND part 2 Navigation with ECDIS & AIS (chapter II, A – II/1) Bridge Resources Management and Teamwork (chapter II, A – II/1) Navigation with Radar and ARPA (chapter II, A – II/1) GMDSS Ship General Operator Category (Chapter IV, A – IV/2)	Navigation III Usage of ECDIS and AIS English – 7 Radar Watch and Plotting Ship's Handling, Bridge Team Management and Teamwork Collision Regulations – 1 7 semester Total: 33 English Simulator in Emergencies Communications at Sea GMDSS English – 8 Collision Regulations – 8 semester Total: 26
Higher Mathematics - 2 Seamanship Technical Mechanics Physics Basic Training on Safety Issues English – 2 Optional Subject Navigation Training – 1 2 semester Total: 41	Meteorology and Oceanography Navigation I – 1 Ship Theory and Construction English – 4 Optional Subject Sports Management – 2 Navigation Training – 2 4 semester Total: 40		

*Optional Subject: Specialised Activities; Sport and Social Adaptation

Graduation	Semester	Extracurricular activities	Credits
Preparation for State Examination			
Modules of the State Exam:			
• NAVIGATION			
• SHIP CARGO HANDLING			
• SHIP OPERATION CONTROL CARE FOR PERSONS ON BOARD	8	300	10
STATE EXAMINATION IN ENGLISH			

Notes:

1. The duration of "Onboard Training" or "Shipyard Training" is 12 months. It is conducted after the 4th, 6th and 8th semester and/ or partially during the period of state exams preparation.
2. The facultative subjects are a prerequisite for starting an on-board practice aimed at attaining seafarer`s Certificate of Competency.