



Nautical Science

Nautical Science has three main elements: navigation and ship handling, ship safe operation and shipboard administration.

The programme aims in training Officers on merchant ships, based on the standards of the STCW International Convention (Standards of Training, Certification and Watchkeeping for Seafarers).

Upon completion of the 4 years of study, which also includes one year training on board, the graduates will obtain the Second Officer Certificate and will have the opportunity to be promoted to Chief Officer and Master.

The Deck's Department Officers are responsible for the navigation, maneuvering and safe handling of the ship, communications between ship and shore, the handling and delivery of cargo, and the operation of all lifesaving devices.

The Master is the ultimate command of the vessel, acting on behalf of the ship's owner.

Courses included:
Navigation Fundamentals
COLREGS - Safety of Watch
Safety on Board
Deck Seamanship
Celestial Navigation
Naval Architecture - Design
Simulation BTM - BRM
Applied Navigation
Marine Meteorology
Nautical Electronic Instruments
RADAR
Marine Engines
ECDIS
GMDSS
Marine Legal Issues
Computers
MARPOL - Ballast Water Management
Stability - Stresses
Emergencies and SAR
Cargo Transport
Ship's Inspections
Chartering - Insurance
ARPA - Watch Keeping
Maritime Law
ISPS - SSO
Simulation - BMS

Marine Engineering

Marine Engineering deals with the operation, maintenance and repairs, where is needed, of the engines, boilers, generators and all other mechanical and electrical systems of the ship.

This programme aims in training individuals towards becoming Engineering Officers on commercial ships, based on the standards of the STCW International Convention (Standards of Training, Certification & Watchkeeping for Seafarers).

Upon completion of the 4 years study, which includes one year training on board, the graduates will obtain the Certificate of Competency for Third Engineer, and thus have the opportunity to be promoted to Second Engineer & Chief Engineer.

Engine Officers, under the orders of the Chief Engineer, are responsible of the proper running, maintenance and repair, where needed, of the mechanical and electrical installations of the ship, something which requires skillful and knowledgeable individuals, who will be constantly looking into their professional development and always getting informed about all of the new technological advancements.

The Chief Engineer is responsible for the management of the Engine Room as well as for the operation and maintenance of all mechanical and electrical installations of the ship.

Courses included:
Basic Engineering Science
Basic Electrotechnology
Mechanical Workshops
Naval Architecture Principles
Elements of Maritime Law
Thermodynamics
Machinery Drawing
Theory of Electric Machines
Heat Transfer
Piping Systems - Pumps - Compressors
Marine Main Machinery Systems I & II
Mechanical Technology
Marine Boiler
Electrical Installations
Maintenance and Management of Damages
Auto Control Systems
Sensors and Measurements
Refrigeration - Air Conditioning - Head Exchangers
Fault Detection Methods
Digital and Safety Devices
Auxiliary Machinery of Ships (propeller, steering gear, deck machinery)
ERM (Engine Resource Management)
Maintenance and Repair of Electrical Installations



Admissions Criteria

General:
The programme admits applicants in the Fall and Spring semesters. Applications for admission to the programme will be considered only from candidates that fulfill the minimum entrance criteria as described below*:

The general admission requirements for entry to the programmes is a High School Leaving Certificate or equivalent qualification with an average grade of '15 out of 20' (75%) or its equivalent.

In addition to a strong academic record, we take into account the applicant's involvement in extracurricular activities, leadership skills, and other relevant background information

Proficiency in the English Language: applicants should present at least a TOEFL score of 550 paper-based or 213 computer-based, or GCSE "O" Level with "C" or IELTS with a score of 5.5 or score placement at the ENGL-100 level of the University of Nicosia Placement Test.

*Special or Additional Entry Criteria may vary during registration period.

Duration of Studies

4 years

Contact details

For further information please contact us by phone at 24747500, or by email at info@cyma.ac.cy

* Cyprus Maritime Academy of the University of Nicosia will award the professional Certifications for the competencies
Intercollege Larnaca will award the Bachelor for each qualification (under Accreditation process by QAA)

Marine Electrotechnology

Marine Electrotechnology involves the operation, maintenance and repair of various electrical and electronic systems found on board ships.

This programme aims in educating individuals into becoming Electro Technical Officers (ETO) on commercial ships, based on the standards of the STCW International Convention (Standards of Training, Certification & Watchkeeping for seafarers).

Upon completion of the 4 years study, which also includes one year training on board, the graduates will obtain the Certificate of Competency for Electrotechnical Officer.

Most modern ships are controlled or monitored by electronic systems, automatisations and computers, therefore experienced and high skilled technicians are needed for their operation and proper maintenance.

The ETO is responsible for the maintenance and repair of all electrical and electronic equipment, installations and machinery. This also includes radiocommunications and electronic navigation aids.

Courses included:

- Basic Electrotechnology
- Marine Main Machinery Systems
- Auxiliary Machinery of Ships
- Thermodynamics
- Mechanical Science
- Analogue Electronics
- Electrical Drawing
- Control Systems
- Sensors
- Electric Power Systems
- Power Electronics
- Electrical Drivers
- Digital Systems
- Electro Hydraulics - Electro Pneumatic Systems
- High Voltage Systems
- Internal - External Communication Systems
- Maintenance of Electrical Power Systems
- Fault Detection Methods
- Electrical Propulsion
- Operation of Ship
- Electric Systems of Main Propulsion - Auxiliary Machinery
- Electric Systems of Deck Machinery - Cargo Handling Equipment
- Construction of Bridge and Engine Room
- Bridge Navigation Equipment
- International Maritime Conventions

CYPRUS MARITIME ACADEMY
UNIVERSITY OF NICOSIA*
INTERCOLLEGE LARNACA#



- Nautical Science
- Marine Engineering
- Marine Electrotechnology

