



Maritime Education & Training
Arab Academy for Science, Technology and Maritime Transport

BSc in Marine Engineering Technology- COC 3rd Engineer

City Unity College, in cooperation with the Arab Academy of Science Technology and Maritime Transport and with the support of the Arab-Hellenic Chamber of Commerce and Development, established the first private Hellenic-Arab Maritime Academy in Greece. The aim of the Hellenic-Arab Maritime Academy is to provide high-level of studies combining theoretical training and practical exercise.

Program Description

In the framework of the operation of the Hellenic-Arab Maritime Academy, City Unity College offers the four-year BSc in Marine Engineering Technology- COC (Certificate of Competency) 3rd Engineer. By completing the BSc in Marine Engineering Technology and getting the COC 3rd Engineer the graduate may work as 3rd Engineer (cadet, junior engineer, 4th engineer, 3rd engineer) and then after having 18 and 36 months of sea going experience respectively he/she may work as:

- ✓ **2nd Engineer**
- ✓ **Chief Engineer**

The theoretical education is accompanied by a practical exercise that takes place in up-to-date simulators, in engine workshops/labs as well as during the scheduled training trips that can be carried out either on board any merchant foreign going ship or on board the training ship AIDA IV.

Why to study at City Unity College

The reason that a candidate shall join the Hellenic Arab Maritime Academy of City Unity College is because he/she is having the opportunity to acquire the BSc degree in Marine Engineering Technology and the COC 3rd Engineer, which offers to the graduates the knowledge and skills they need to have a successful academic and professional career.

Validation of professional rights

According to the Greek Law 4393/12, all kind of university degrees obtained by attending programs at recognized colleges are validated by the Council for the Recognition of Vocational Qualifications of the Greek Ministry of Education.



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Fields of professional employment

Graduates, holding degrees equivalent to world-renowned academies in line with international maritime training standards as imposed by the International Maritime Organization (IMO), will be able to work as executives in shipping companies of all specializations (ashore) or on board any type of merchant ship.

The Crew Manning Agency - Blue Sea Career Office in collaboration with the Hellenic Arab Maritime Academy upon request may assist graduates to meet their carrier expectations.

Registration Conditions

Candidate students should have:

- High school leaving certificate
- Interview (via skype) with to the Designated person of the Academy
- Proof of English Language Competency
- Medical attestation from a doctor assuring the physical and mental ability of the student to attend the program
- Medical examinations for the issuance of seaman's book

Duration & Methods of Studies

The duration of studies is 4 years including theoretical education and practical training. Practical training is based on the use of up-to-date simulators, engine workshops/labs and during the third year of studies where students are being recruited to serve as cadets on board merchant ships or on board the training ship AIDA IV.

Course Schedule – Attending Hours

The academic year is divided into two semesters and commences every October. Classes are taking place in the morning and/or afternoon. The program is taught in English.

Facilities

All academic programs and professional courses of the Hellenic Arab Maritime Academy are taking place in the modern facilities of City Unity College in Athens, Thiseos 15-17, Syntagma Post Code: 10562.

Career & Placement Office

City Unity College supported by a network of affiliated companies has established City Unity Career and Placement Office.

The purpose of this office is to assist students for their immediate professional rehabilitation. Every year career days are taking place during which prospective students are having interviews with HR Managers of all kind of businesses. In most cases such interviews lead to immediate recruitment. At the same time and on a daily basis, Career and Placement Office supports students by advising and guiding them to complete properly their CVs and promote them to businesses that have expressed interest to recruit them.



Curriculum

Year	Module name	Module Number	Core/Optional
YEAR 1	Eng. Drawing & projection	ME151T	Core
	Engineering mechanics i	BA141	Core
	Esp i	LH131T	Core
	Introduction to computer	CC111	Core
	Marine safety	ND370	Core
	Mathematics i	BA121N	Core
	Physics	BA111N	Core
	Chemistry	BA118	Core
	Engineering mechanics ii	BA142	Core
	Esp ii	LH132T	Core
	Introduction to programming	CC114	Core
	Manufacturing technology	IM112T	Core
	Mathematics ii	BA112N	Core
	Physics ii	B1112	Core
YEAR 2	Electrical en. Fundamentals for marine	EE239	Core
	Esp iii	LH231T	Core
	Material science	ME274T	Core
	Mathematics iii	BA223	Core
	Mechanical engineering drawing	ME252T	Core
	Thermodynamics	ME231T	Core
	Instrumentation & measurements	EE218	Core
	Manufacturing processes i	IM212T	Core
	Marine diesel engines i	MM221T	Core
	Marine engineering i	MM211T	Core
	Mathematics iv	BA224	Core
	Naval architecture & ship construction	MM241T	Core



Year	Module name	Module Number	Core/Optional
YEAR 3	Marine control system	EE310	Core
	Marine electrical engineering	EE320	Core
	Marine engineering ii	MM312	Core
	Watch keeping duties	MM313	Core
	Marine diesel engines ii	MM322	Core
	Naval architecture & ship construction ii	MM2412T	Core
	Marine safety	ND370	Core
	Electrical machines	EE329T	Core
	Heat transfer	ME341T	Core
	Hydraulics	ME362T	Core
	Marine diesel engines iii	MM423T	Core
	Maritime law	MM291T	Core
	Mechanics of materials	ME275T	Core
YEAR 4	Automatic control systems	EE418T	Core
	Machine design	ME454T	Core
	Marine engineering iii	MM415T	Core
	Refrigeration & air conditioning	ME434T	Core
	Ship repair technology	MM446T	Core
	Steam plant engineering	ME423T	Core
	Electrical power in ships	EE449T	Core
	Maintenance planning	ME521T	Core
	Marine diesel engines iv	MM524T	Core
	Marine engineering iv	MM516T	Core
	Project	MM501T	Core
	Ship design	MM543T	Core