MARINE TRANSPORT : BACHELOR OF APPLIED SCIENCE

Overview

Program Mission

The mission of the degree program is to give education and training to cadets to enable them to pursue a career as a navigating officer at sea. The degree includes the required academic component for the certificates of competency up to Master's level. These certificates will be issued by the Federal Transport Authority once the cadets have sufficient seagoing experience.

Program Description

Accredited by the Commission for Academic Accreditation (CAA) UAE. This program provides students with the necessary education and training to become a navigating(deck) officer onboard ships. It covers the academic components required by the Standards of Training, Certification and Watch Keeping for Seafarers (STCW) international convention of the International Maritime Organization (IMO) up to Master's level. The program also includes practical seagoing service with guided study, and provided sufficient sea service is obtained by the end of the third year Students can apply to the Federal Transport Authority for the Certificate of Competency as Officer of the Watch. In order to obtain higher level Certificates of Competency, students will be required to complete the degree program in full and, undertake further seagoing service and apply to the Federal Transport Authority.

Program Learning Outcomes

Upon graduation, a HCT graduate in Bachelor of Applied Science in Marine Transport should have the ability to:

1. Demonstrate the competency to undertake the tasks, duties and responsibilities of a ship's master
2. Demonstrate a knowledge base in relevant marine related topics suitable for a career as a marine professional
3. Effectively lead, work and communicate in a team
4. Expand knowledge and capabilities through continuing education or other lifelong learning experiences

Requirements
Completion Requirements

Bachelor of Applied Science in Marine Transport

Students must successfully complete a minimum of 163 credits, including:

Code	Title	Credit Hours
Marine Transport Core Courses		100
Seagoing Service Core Courses		30
General Studies Courses		33
Total Credit Hours		**163**

Code	Title	Credit Hours
Marine Transport Core Courses		
Required Credits: 100		
MTR 1003	Maritime English Communication	3
MTR 1013	Fundamentals of Marine Navigation	3
MTR 1023	Maritime Industry Overview	3
MTR 1033	Nautical Knowledge	3
MTR 2012	Shipboard Operational Leadership	2
MTR 2102	Ship Regulation and Survey	2
MTR 2103	Ship Operational Safety	3
MTR 2203	Near-Coastal Navigation	3
MTR 2303	Ship Characteristics and Maintenance	3
MTR 2314	Marine Navigational Watchkeeping	4
MTR 2324	Marine Electronic Navigation	4
MTR 2332	Ship Manoeuvring and Control	2
MTR 3013	Marine Weather Watchkeeping	3
MTR 3023	Marine Transport Operations	3
MTR 3033	Electronic Chart Display and Information System (ECDIS)	3
MTR 3103	Ship Stability and Stress	3
MTR 3113	Ocean Navigation	3
MTR 4024	Leadership in Shipboard Management	4
MTR 4114	Marine Environmental Dynamics	4
MTR 4124	Advanced Techniques in Marine Navigation	4
MTR 4133	Ship Design and Seaworthiness	3
MTR 5003	Ship Operations Project	3
MTR 5004	Shipboard Commercial Operations	4
MTR 5014	Maritime Law and Ship Protection	4
MTR 5023	Ship Administration	3
MTR 5024	Marine Transport Management	4
MTR 5105	Ship Stability and Dynamics	5
MTR 5124	Shipboard Command Operations	4
MTR 5125	Marine Navigation Management	5
PHY 1203	Physics II	3
Seagoing Service Core Courses		
Required Credits: 30		
MTR 1206	Shipboard Support-Level Experience	6
MTR 3012	Shipboard Operational-Level Experience	12
MTR 4012	Shipboard Management-Level Experience	12
General Studies		
Required Credits: 33		
English, Arabic or other Languages		
Required Credits: 12		
LSC 1103, AES 1013, AES 1033 and LSC 2193		
Humanities or Art		
Required Credits: 3		
AES 1003		
Information Technology and Mathematics		
Required Credits: 6		
ICT 2013 and LSM 1103		
The Natural Sciences		

Required Credits: 3	
PHY 1103	
The Social or Behavioral Sciences	
Required Credits: 9	
LSS 1003, LSS 1123 and BUS 2403	

Description	Data
Total Required Credits	163
Maximum Duration of Study	7 years
Minimum Duration of Study	5 years
Cost Recovery Program	No
Program Code	BMARTS
Major Code	MTR

Ideal Study Plan
Recommended Sequence of Study

Year 1

Semester 1

		Credit Hours
LSM 1103	Technical Mathematics	3
LSS 1003	Life and Future Skills	3
MTR 1003	Maritime English Communication	3
MTR 1013	Fundamentals of Marine Navigation	3
MTR 1023	Maritime Industry Overview	3
MTR 1033	Nautical Knowledge	3
	Credit Hours	18

Semester 2

LSC 1103	Professional Communication and Reporting	3
LSS 1123	Basic Research Methods	3
MTR 2102	Ship Regulation and Survey	2
MTR 2103	Ship Operational Safety	3
MTR 2203	Near-Coastal Navigation	3
PHY 1103	Physics I	3
	Credit Hours	17

Summer

MTR 1206	Shipboard Support-Level Experience *	6
	Credit Hours	6

Year 2

Semester 3

MTR 2012	Shipboard Operational Leadership	2
MTR 2303	Ship Characteristics and Maintenance	3
MTR 2314	Marine Navigational Watchkeeping	4
MTR 2324	Marine Electronic Navigation	4
MTR 2332	Ship Manoeuvring and Control	2
PHY 1203	Physics II	3
	Credit Hours	18

Semester 4

AES 1033	Islamic Culture	3
MTR 3013	Marine Weather Watchkeeping	3
MTR 3023	Marine Transport Operations	3
MTR 3033	Electronic Chart Display and Information System (ECDIS)	3
MTR 3103	Ship Stability and Stress	3
MTR 3113	Ocean Navigation	3
	Credit Hours	18

Summer

ICT 2013	Computational Thinking and Coding	3
BUS 2403	Innovation and Entrepreneurship	3
	Credit Hours	6

Year 3

Semester 5

MTR 3012	Shipboard Operational-Level Experience	12
	Credit Hours	12

Semester 6

MTR 4012	Shipboard Management-Level Experience **	12
	Credit Hours	12

Summer

AES 1003	Emirati Studies	3
AES 1013	Arabic Communications I	3
	Credit Hours	6

Year 4

Semester 7

MTR 4024	Leadership in Shipboard Management	4
MTR 4114	Marine Environmental Dynamics	4
MTR 4124	Advanced Techniques in Marine Navigation	4
MTR 4133	Ship Design and Seaworthiness	3
	Credit Hours	15

Semester 8

MTR 5003	Ship Operations Project	3
MTR 5004	Shipboard Commercial Operations	4
MTR 5014	Maritime Law and Ship Protection	4
MTR 5023	Ship Administration	3
MTR 5024	Marine Transport Management	4
	Credit Hours	18

Summer

LSC 2193	Applied Skills Capstone	3
	Credit Hours	3

Year 5

Semester 9

MTR 5105	Ship Stability and Dynamics	5
MTR 5124	Shipboard Command Operations	4
MTR 5125	Marine Navigation Management	5
	Credit Hours	14
	Total Credit Hours	163

* Students need to take the following STCW Basic Training courses before MTR 1206:

- Elementary First Aid
- Fire Prevention and Fire Fighting
- Personal Safety & Social Responsibilities
- Personal Survival Techniques
- Security Awareness Training

**Students need to take the following STCW Basic Safety Training courses after MTR 4012:

- Advanced Fire Fighting
- Global Maritime Distress and Safety System (GMDSS)
- Medical First Aid
- Proficiency in Survival Craft & Rescue Boats

Faculty and Academic Staff
Abu Dhabi Men's

Farhan saeed, PHD Maritime Education & Training (Nautical), Liverpool John Moores University, UK

Isikeli Waqa, Masters Edu. / Curriculum & Technology, Malmo University, Sweden

Lalin De Silva, Masters Maritime Education and Training (Nautical), World Maritime University, Sweden

Saud Zanbarkji, Masters High Sea's, Arab Academy for Science and Technology and Maritime Transport, Egypt

Tariq Ajluni, Master Mariner, Arab Academy for Science and Technology and Maritime Transport, Egypt