



## Diploma in Shipping and Maritime Operations.

### Introduction

This Diploma in Shipping and Maritime Operations qualification is offered to high school graduates, aiming to become a Ship Captain and sail the national and international waters on ocean going ships. This pre-sea qualification meets the requirements of Standards of Training, Certification and Watchkeeping (STCW) for seafarers that is prerequisite for obtaining a Certificate of Competency issued by national governing authority, the Federal Maritime Authority, UAE.

This course is intended to provide the students with the knowledge, skills and competency necessary to prepare them to perform safely and effectively the duties of an Officer in charge of a Navigational watch (OICNW), on board ships of unlimited voyage in accordance with the International Convention and STCW 1978, with the 2010 Manila Amendments.

This Diploma will also provide the skills and knowledge relevant to many shore-based careers in the operational aspects of shipping, including ship management, cargo handling, pilotage, towage, pollution control, surveying, port control and other marine related occupations

### Course Content

The 12-month Diploma in Shipping and Maritime Operations syllabus has been drawn to provide underpinning knowledge and competencies for growth of an individual at ascending levels onboard ship and later ashore.

In-depth training will be imparted in specialized fields of Shipping and Maritime Operations like:

- Applied Mathematics and Science;
- Maritime English, Communication Skills and Human factors;
- Terrestrial and Celestial Navigation, Chart work and Modern Navigation using ECDIS;

- Bridge Equipment, Navigational Watch Keeping;
- Meteorology and Oceanography;
- Cargo Handling and Stowage;
- Maritime Commerce and Shipping Legislations;
- Ship Construction and Ship Stability;
- Routine and Emergency communications and Drills;
- Information Technology and
- Basic Marine Engineering Knowledge.

### Course Duration

One Year (12 months)

### Entry Requirements

General Secondary Certificate/Secondary School Diploma Certificate (**Grade 12**) in Science/Math Streams – with overall grade of at least **60%**.

Medically and physically fit with the required eyesight standards for both visual acuity and colour vision with test results as per the IMO, ILO, MLC 2006 and the UAE Federal Maritime Authority (FMA). The medical examinations shall be conducted by any of the FMA Approved Medical Practitioner.

A valid English language proficiency certificate with a minimum score of either 1100 EmSAT, 5 IELTS, 500 TOEFL (PBT), 61 TOEFL (IBT), or 173 TOEFL (CBT).

### Accreditation

The program is awaiting accreditation by the National Qualifications Authority (NQA) and UAE Federal Maritime Authority (FMA).



Abu Dhabi Maritime Academy, UAE  
presents

# Advanced Diploma in Nautical Science (U.K)

leading to the award of the MCA,  
(United Kingdom) OOW, Certificate  
of Competency programme.

Abu Dhabi Maritime Academy in Collaboration with South Shields Marine School, U.K offer Advanced Diploma in Nautical Science (U.K) leading to OOW CoC from MCA, U.K programme.

**Course Commencement:** Sep, 2022

## Programme structure:

- **Phase 1** – 1<sup>st</sup> Year, approximately 40 weeks at Abu Dhabi Maritime Academy – UAE, comprehensive training programme, which will include theory and practical classes, project work, group exercises and discussions consistent with the Programme.  
On successful completion of this Phase 1 and five (5) STCW Basic Training Courses at ADMA, the students are permitted to proceed to the U.K College to pursue a 40-week 2nd phase.
- **Phase 2** – 2<sup>nd</sup> Year, approximately 40 weeks at South Shields Marine School, U.K – Delivery and Assessment of Advanced Diploma Year 2 Units.  
On successful completion of this Phase 2 the students are Awarded Advanced Diploma Nautical Science awarded by awarded by Scottish Qualifications Authority (SQA).

- **Phase 3** – 3<sup>rd</sup> Year onwards at Sea - 15 months of Qualifying Sea Service. Completion of MNTB Training Record book and production of Navigation and Operations Workbook. Development of Practical Skills and application knowledge (including 6 months on duties associated with Bridge watchkeeping). Completion of mandatory short courses at MCA Approved Centre.
- **Phase 4** – Follow Up Course for 14 Weeks at South Shields Marine School (SSMS), U.K. Preparation for MCA SQA Written Examinations and MCA Oral examination. Completion of mandatory advanced courses. Award MCA Deck Officer of the Watch Certificate of Competency.
- End of Cadetship and programme.

## Programme Duration

Four (4) Years.

## Entry Requirements

### Educational Qualification:

General Secondary Certificate / Secondary School Diploma Certificate (Grade 12) in English, Science, Math Streams – with overall grade of at least 70%.

An academic **IELTS minimum score of 5.5** (out of 9)

### Medical Standard:

Medically and physically fit with the required eye sight standards (eye sight 6/6 in better eye, 6/9 in other eye and with no colour blindness) for both visual acuity and colour vision with test results as per the IMO, ILO, MLC 2006 and the MCA.

### Admission Process:

Application review-> Interview -> Selection -> Admission in Academy.

### Accreditation:

This programme run by Abu Dhabi Maritime Academy (ADMA) in collaboration with South Shields Marine School (SSMS) is recognised by the UK Merchant Navy Training Board (MNTB) and UK Maritime and Coastguard Agency (MCA).

## **Professional opportunities:**

Further periods of sea service and study lead to the award of the MCA Chief Mate Certificate of Competency and then Master Certificate of Competency qualifying the holder to serve as Master of a Merchant vessel.

## **Progression:**

Students who successfully pass all elements of the Advanced Diploma will meet the entry qualifications required for the BSc (Hons) Top-Up programme delivered by SSMS.

\* High potential candidates above this age bracket can be considered only on special condition(s).

## Marine Engineering Bridging Program (MEBP)

### Introduction

The Marine Engineering Bridging Program (MEBP) has been designed and developed to bridge the competency gap and qualify candidates with Bachelor's Degree in Mechanical Engineering for certification as Officer in Charge of an Engineering Watch on a seagoing ship powered by main propulsion machinery of 750 kW propulsion power or more. It meets among others, all the minimum requirements for knowledge, understanding and proficiency in Table A-III/1 for the four (4) functions defined by the International Convention and Code of the Standard of Training, Certification and Watchkeeping for Seafarers (STCW) 1978, with the 2010 Manila Amendments for Officer in Charge of an Engineering Watch (OICEW) in a manned engine room or Designated Duty Engineer (DDE) in a periodically unmanned engine room at the operational level.

A student graduate of the MEBP who has successfully completed the approved shipboard training programme will be eligible to sit for the Oral Examination at UAE Federal Maritime Authority (FMA) for the OICEW Certificate of Competency (COC).

MEBP graduates who wish to venture in a non-seafaring career may also pursue other professions such as:

- Ship technical superintendent
- Shipyard maintenance engineer
- Classification society surveyor
- Marine insurance surveyor
- Offshore engineer
- Engine maker specialist
- Port state control officer
- Power plant engineer
- Maritime academician

### Program Content

- Engine Room Watchkeeping;
- General Marine Engineering Knowledge;
- Basic Safety and Survey Works;
- Main Propulsion Machinery;
- Auxiliary Machinery;
- Marine Electro-Technology;
- Maritime Law and International Maritime Conventions;
- Ship Construction and Stability;
- Electro-Technology Maintenance & Repair;
- Machinery Maintenance and Repair;
- Marine Automation and Control;
- Machine Shop Practice; and
- Engine Room Simulation

### Course Duration

Six (6) months of academics plus 6 months of seetime (total of 12 months)

### Entry Requirements

Mechanical Engineering degree from a UAE recognized institution.

Medically and physically fit with the required eye sight standards for both visual acuity and colour vision with test results as per the IMO, ILO, MLC 2006 and FMA. The medical examinations shall be conducted by any of the FMA Approved Medical Practitioner.

A valid English language proficiency certificate with a minimum score of either 1100 EmSAT, 5 IELTS, 500 TOEFL (PBT), 61 TOEFL (IBT), or 173 TOEFL (CBT).

### Accreditation

The program is accredited by the UAE Federal Maritime Authority (FMA).