SHARJAH MARITIME ACADEMY

ACADEMIC CATALOGUE

2025-2026

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Message From the Chancellor

Welcome to the Sharjah Maritime Academy!

We're excited to have you join our maritime family! The Sharjah Maritime Academy exists thanks to the vision and dedicated support of His Highness Sheikh Dr Sultan bin Muhammad Al Qasimi, Member of the Supreme Council, Ruler of Sharjah, and President of our Academy. His commitment to maritime education has created this incredible opportunity for students like you to pursue excellence in one of the world's most important industries.

Your Journey Starts Here

This academy represents something special – a place where Sharjah continues to grow as a leading global center for maritime education, training, innovation, and research. As a student here, you're not just earning a degree; you're preparing to become part of the skilled professionals who will help the UAE maintain its position as a world leader in maritime excellence.

Programs Designed for Your Success

Right now, we offer five exciting degree programs to choose from:

- Maritime Transport (Bachelor)
- Marine Engineering Technology (Bachelor)
- Maritime Logistics and Supply Chain Management (Bachelor)
- Maritime Business (Bachelor)
- Maritime Technical Operations (Diploma)

These are just the beginning! We're continuously developing new academic, professional, and training programs based on industry needs and our strategic vision, so you'll always have opportunities to grow and specialize.

Learning Through Innovation

We believe in giving you the best possible preparation for your career. That's why His Highness continually promotes the importance of scientific research, innovation, and development at our academy. We work closely with respected maritime institutions both locally and internationally to ensure you receive world-class education and training.

State-of-the-Art Learning Environment

When you study with us, you'll have access to the latest international training methods and cutting-edge equipment, including advanced simulators, specialized devices, and industry-standard programs covering all aspects of maritime transport. Our experienced faculty members bring real-world expertise directly into your classroom experience.

Quality You Can Trust

The Sharjah Maritime Academy is fully accredited by the Commission for Academic Accreditation (CAA) and the National Qualifications Center (NQC). We operate under the guidance of the Ministry of Higher Education and Scientific Research and work in close partnership with the UAE Maritime Authority, ensuring your education meets the highest national and international standards.

Your future in the maritime industry starts here. We're committed to supporting you every step of the way as you build the knowledge and skills that will define your success in this dynamic field.

Welcome aboard!

Dr Hashim Abdullah bin Sarhan Al Zaabi

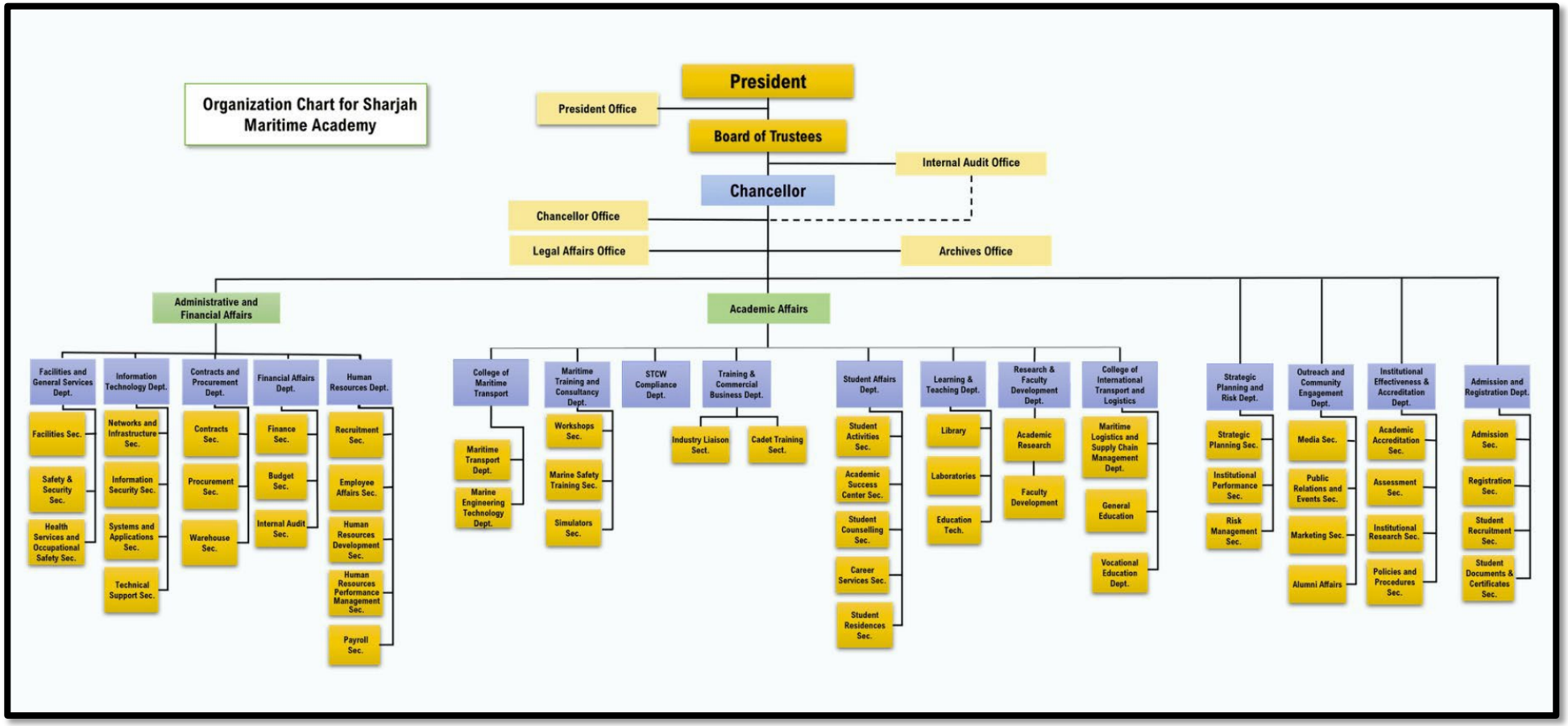
Chancellor of Sharjah Maritime Academy

Academic Calendar

Category		2025-26 (Mondays)	Student Perspective
Autumn Term Teaching	1	08/09/2025	• Term time classes - Week-1
	2	15/09/2025	• Term-time classes • Thu 1600: Last Day for dropping courses without penalty
	3	22/09/2025	• Term-time classes. • Mon 1200: Admission Open for Jan applicants
	4	29/09/2025	• Term-time classes
	5	06/10/2025	• Term-time classes • Thu 1200: Last Day for Withdrawal (with penalty)
	6	13/10/2025	• Term-time classes
	7	20/10/2025	• Term-time classes
	8	27/10/2025	• Term-time classes
	9	03/11/2025	• Term-time classes
	10	10/11/2025	• Term-time classes - Final Week
Exam Week		17/11/2025	• Mon-Thu: End of term Exams
Inter-term Break/ STCW Training/ Supplementary Exam/ Admissions and Registration		24/11/2025	• STCW/ Holidays (Check with Head and CTC) • Mon 1200: Pre-Registration for next term starts • Thu 1200: Marks released
		01/12/2025	• STCW/ Holidays (Check with Head and CTC) • 02 Dec National Day • Mon-Tue: Supplementary Exams held • Wed 1200: Supplementary Exams marked • Thu: Exam Board Part 3 approved, marks uploaded and released • Thu 1600: Pre-Registration for next term ends
		08/12/2025	• Holidays • Thu 1200: Placement Test names and schedule published • Thu 1600: Early Admission Ends for Jan applicants
		15/12/2025	• Holidays
		22/12/2025	• Holidays • Mon-Thu: Applicants Placement Tests for English and/or Subjects • Mon-Thu: Applicants Interviews and Medical (MT/ MET Programs) • Thu 1200: Admission results released
		29/12/2025	• Holidays • 01 Jan New Year's Day Holiday • Mon: New students receive Offer Letter • Mon-Wed: Current students re-registration • Wed 1200: Current students Tuition Fees deadline • Wed 1200: Teaching calendar released
Spring Term Teaching	1	05/01/2026	• Term time classes - Week-1 • Mon-Thu 1600-1800: New students Induction

Category		2025-26 (Mondays)	Student Perspective
	2	12/01/2026	• Term time classes • Thu 1600: Last Day for dropping courses without penalty
	3	19/01/2026	• Term-time classes
	4	26/01/2026	• Term-time classes
	5	02/02/2026	• Term-time classes • Thu 1200: Last Day for Withdrawal (with penalty)
	6	09/02/2026	• Term-time classes
	7	16/02/2026	• Term-time classes
	8	23/02/2026	• Term-time classes
	9	02/03/2026	• Term-time classes • Mon 1200: Pre-Registration for next term starts
	10	09/03/2026	• Term-time classes • Thu 1600: Pre-Registration for next term ends • Thu-Sun: End of Term Exams
Exam Week		16/03/2026	• Mon: End of Term Exams • Tue: Holidays Start
Inter-term Break/ STCW Training/ Supplementary Exams/ Admissions and Registration		23/03/2026	• Student Holidays
		30/03/2026	• Student Holidays
		06/04/2026	• STCW/ Holidays (Check with Head and CTC)
		13/04/2026	• STCW/ Holidays (Check with Head and CTC)
		20/04/2026	• STCW/ Holidays (Check with Head and CTC) • Mon-Tue: Supplementary Exams held • Wed 1200: Supplementary Exams marked • Thu: Exam Board Part 3 approved, marks uploaded and released • Thu 1200: Teaching calendar released • Mon-Thu: Current students' Re-registration • Thu 1600: Current student Tuition Fees deadline
Summer Term Teaching	**1**	27/04/2026	• Term time classes - Week-1
	2	04/05/2026	• Term-time classes • Thu 1600: Last Day for dropping courses without penalty
	3	11/05/2026	• Term-time classes
	4	18/05/2026	• Term-time classes
	5	25/05/2026	• Term-time classes • Thu 1200: Last Day for Withdrawal (with penalty)
	6	01/06/2026	• Term-time classes
	7	08/06/2026	• Term-time classes
	8	15/06/2026	• Term-time classes • Mon 1200: Pre-Registration for next term starts
	9	22/06/2026	• Term-time classes. • Thu 1600: Pre-Registration for next term ends
	10	29/06/2026	• Term-time classes
Exam Week		06/07/2026	• Mon-Thu: End of term Exams

Organizational Chart



The Institution

History

Sharjah Maritime Academy (SMA) was established by decree 2/2023 issued by His Highness Sheikh Dr Sultan bin Muhammad Al Qasimi, member of the UAE Federal Supreme Council and the ruler of Sharjah.

SMA is a state-of-the-art higher education institution in the city of Khorfakkan, focusing on maritime studies, training and research. SMA is the only institution in the UAE that offers CAA's accredited baccalaureate level degree programs in the field of maritime education.

Sharjah Maritime Academy is regulated by the Ministry of Education as well as the Ministry of Infrastructure and Energy for its sea-going operations. SMA also holds the status of Accredited Training Provider (ATP) by the UAE National Qualifications Centre (NQC).

Vision Statement

To establish a nationally and internationally recognized maritime hub producing skilled and competent graduates and professionals by delivering best-in-class maritime education, research and training.

Mission Statement

To provide a flexible, modular, and nurturing learning environment to provide maritime industry knowledge, skills and continuous professional development for students, graduates, and professionals.

Institutional Goals

1. Introduce and develop educational programs of the highest standards in the field of maritime science and technology to achieve institutional excellence.
2. Support and develop the maritime transport sector in the United Arab Emirates and prepare qualified cadres in various maritime fields in line with contemporary scientific developments and professional practices.
3. Support maritime scholarly and research activities and instill a culture of innovation and competitiveness in the field of maritime science and technology.
4. Establish scientific links and connections and foster exchange of expertise and technical and cultural information with local and international entities.

Accreditation and Licensure

Sharjah Maritime Academy, located in the Emirate of Sharjah, is officially licensed from May 2023 to May 2026 by the Ministry of Education of the United Arab Emirates to award bachelor's degrees in higher education.

Bachelor's degree programs offered by SMA in Maritime Transport, Marine Engineering Technology, and Maritime Logistics and Supply Chain Management are accredited through June 2028 by the Commission for Academic Accreditation (CAA) of the Ministry of Higher Education and Scientific Research (MoHESR) of the UAE. The Bachelor's of Maritime Business is approved for Provisional Accreditation by CAA of MoHESR effective 8 July 2025. SMA's Diploma in Marine Technical Operations is nationally recognized by the UAE National Qualifications Center (NQC) as a Level 4 Principal Qualification.

Cooperative Relationships with other Organizations

Sharjah Maritime Academy has active memorandums of understanding with a variety of institutions to facilitate maritime training, education, and research.

Campus Life

Facilities and Resources

Library

The SMA Library is dedicated to serving all members of the SMA community, including faculty, staff, students, and alumni, by ensuring equitable access to knowledge and resources that support learning, teaching, and research. Our mission is grounded in the principle of inclusion, ensuring that every user, regardless of background, discipline, or ability, can fully benefit from the library's resources and services.

The library provides accessible physical spaces, including wheelchair-accessible entrances, lifts, and reading areas, alongside quiet study zones, collaborative spaces, and reflection areas to respect diverse learning and wellbeing needs. Resources include multilingual materials, open-access databases, audiobooks, and simplified texts.

Orientation and training sessions are scheduled on a regular basis, and research assistance is available through one-on-one meetings and drop-in workshops. Library staff are well-trained in all aspects of customer service practices.

The SMA library provides the following services to users:

- Circulation services
- Online resources
- Information services
- Research assistance
- Recommend-a-purchase service
- Accessible computer section with assistive technologies
- Photocopying and document delivery

The library is open Monday through Thursday from 8:00am – 4:00pm.

Computer Workspaces

SMA has one fully equipped computer lab that is used for classes and is available for independent student work and study.

Health, Wellness and Safety

SMA prioritizes health and wellness through our clinic, which is certified by the Ministry of Health. Well-trained medical staff provide high quality health care services for all students and employees.

SMA is committed to the provision of a safe and healthy working environment for all staff, lecturers, students, and visitors by a well-trained experienced EHS team. All requirements for occupational health and safety are in the OEHS management system and fully detailed in work instructions to enable SMA to monitor and

control health and safety risks and to improve health and safety performance.

Student Dormitories

SMA provides on-campus housing for students, subject to rules, regulations, and availability. There are separate dormitory buildings for men and women, with comfortable and well-equipped rooms. Facilities include pantries and TV/gaming rooms, with full cleaning services. Campus housing offers a supportive social, educational, cultural, and sporting environment.

Priority for housing is given to students enrolled in the College of Maritime Transport in their first year. Students from other SMA colleges and programs-including the foundation program-may apply upon availability.

Dining Halls

SMA has a dedicated dining hall for students which provides round-the-clock meal services including various options for snacks, tea, and coffee. Catering services for staff and students are also available.

Athletics and Fitness

All SMA students can benefit from our specialized fitness training in our fully equipped gyms, which are separated by gender. Also, students can improve their swimming skills in our pool with a dedicated swimming instructor. Additional sports facilities include basketball, volleyball, and tennis courts, along with a large multipurpose stadium for various sporting events. Indoor sports like squash, billiards, table tennis, and foosball are also catered for in the student hub building.

Auditorium

SMA's state-of-the-art auditorium can accommodate approximately 900 guests and is the largest such facility in the Khorfakkan region. It is often used for a range of seminars, conferences, and events.

Student Hub

The Student Hub is the center of students' activities, clubs, services, and meetings. The Student Hub provides easy access to a variety of services including the Student Success Center, the Career Advising Center, the Movie Room, and others. A well-equipped meeting room is allocated for SMA Students Union regular meetings. In addition, the Hub hosts all students' events and activities. The Hub also includes two well-equipped gyms, one for males and another for females; two squash courts; and an area dedicated for table tennis and billiards. The spaces in the building are well-organized and optimally used; to ensure privacy at the building, males and females are allocated two separate entrances.

Student Life on Campus

Clubs and Activities

Student Affairs coordinates students' clubs and makes information available about different campus activities to students. A club fair is organized at the beginning of each academic year to showcase the nature of each club, its aims, and previous achievements. Each club has a team leader and 5 to 6 team members; clubs aim at enhancing students' skills in a variety of areas such as communication & language, critical thinking, teamwork, and leadership. They also complement academic programs and encourage students to contribute to the welfare of their communities. Clubs include the Sustainability Club, Engineering Club, Debating Club, Book & Movie Club, Sports Club, and Creative Writing Club.

Student Counselling Services

SMA's Student Counselling Service aims to improve students' wellbeing, communication, and adaptation skills. The main objective is to provide the necessary support for students who face problems that may affect their academic performance and progression. The counselling services include one-to-one

sessions and group sessions, that can be conducted physically and online according to the student's preference. The sessions are conducted in a trusted and confidential setting to maintain feelings of trust and safety during the students' counselling visits.

The counselling services also include regular workshops and sessions given by specialists in the field addressing crucial problems that face students of this age. Group awareness sessions and free discussions of various topics focusing on students' daily life, interactions, moods, habits, stresses, family problems, social interaction, communication, motivation, planning and other relevant issues are also arranged on regular basis.

Student Educational Services

Student Success Center

Student Affairs, in collaboration with faculty members in SMA, provides academic services to a wide range of students, with particular focus on assisting under-probation students whose GPA is less than 2.0. The services are also extended to students facing any academic difficulty, even if their GPA is above 2.0, and those who aspire to improve their academic skills in general.

The services provided by the success center include one-to-one tutoring and group tutoring, workshops and lectures that aim at enhancing students' soft skills, study skills, time- management skills, test-taking skills and other skills needed throughout their journey in college.

Career Advising

The Career Development Service (CDS) serves as a crucial bridge between academic preparation and professional maritime careers, offering comprehensive guidance tailored to the unique demands of the maritime industry. The center provides individualized career counseling sessions where advisors help students explore various maritime career paths, from deck and engine officer positions to shore-based roles in port management, maritime logistics, supply chain management, and maritime business. Students receive assistance with resume development specially formatted for maritime employers, interview preparation that addresses industry-specific scenarios, and guidance on obtaining necessary certifications such as Standards of Training, Certification and Watchkeeping (STCW) credentials.

Beyond individual counseling, the CDS organizes networking opportunities and industry connections that are essential for maritime career success. They organize career fairs featuring major shipping companies, port authorities, and maritime service providers, giving students direct access to recruiters and hiring managers. Working in partnership with the Cadet Training Center, the CDS facilitates internships at shipyards and with maritime companies, providing students with hands-on experience that is highly valued by employers. Additionally, they offer workshops on maritime industry trends, soft skills, and professional development, while fostering an

alumni network that connects current students with graduates working in various maritime sectors worldwide. These services ensure that students graduate not only with technical maritime knowledge but also with the professional connections and career readiness necessary to launch successful careers at sea or in shore-based maritime positions.

Admission and Registration

First-Year Admission

Admission to academic programs at SMA is available to highly qualified male and female students from the UAE and abroad. All applicants must meet established minimum requirements to be considered for admission to study at the University. The admission application fee is AED 660.

Admissions periods are as follows:

Autumn Term: 26 May 2025 – 04 August 2025

Spring Term: 6 October – 11 December 2025

General Admission Requirements

Applicants who meet the following General Admission requirements are eligible for program admission subject to the individual program entry requirements detailed below.

UAE National Curricula	Applicants from non-UAE National Curricula
1. High school certificate; **AND** 2. High school grade: 80% in English **OR** IELTS English score of 5.0 or equivalent** OR pass Internal Placement Test (ITP) for English	1. MOE-attested Secondary School certificate *; **AND** 2. Graduated from English/American high school curriculum, **OR** 3. IELTS English score of 5.0 or equivalent**

**Confirming a minimum of 12 years of schooling and graduation from a school recognized by the official education authority in the country of study*

***An official score report of Academic IELTS band 5.0, TOEFL IBT 61, or CBT 173 or ITP 500 (ITP taken at AmidEast Institute only), Cambridge 154-161, IESOL/SESOL B1/B2, Pearson PTE 36-41*

Required Documents (All Programs)

- General Secondary School Certificate/Transcript or its equivalent approved by UAE Ministry of Education
- Copy of a valid Emirates IE and/or a passport for both the applicant and the guardian
- Birth certificate for non-Emirati applicant
- Passport-size photograph
- National Service Certificate for Emirati male applicants (exemption or postponement)
- Certificate of good conduct
- Certificate of proficiency in English (where applicable)
- Payment receipt for the non-refundable admission fees

Foundations Courses

Applicants who do not meet the general English admission requirement (determined by IPT, IELTS, or equivalent) or other requirements may be admitted to the Foundations program. The placement level and the number of English bridging or other courses required will be determined by the IPT, IELTS, or equivalent test results. Students who are admitted to the Foundations program:

- May register for a maximum of two different Foundation (prerequisite) courses (zero credit hours) per study period including English language
- Must pass the required Foundation English bridging (prerequisite) course(s) or other Foundation courses within one year counted from the initial registry

Upon successful completion of the required Foundation course(s), students are eligible for admission to SMA Bachelor programs (subject to individual program admission requirements).

Students who do not pass the required Foundation English or other required Foundation course(s) within one year will have their admission cancelled. They will not be able to enter any SMA Bachelor programs but may seek admission into an alternative program.

Program Admission Requirements

In addition to the General Admission requirements, applicants must meet the following minimum entry requirements to be eligible for admission into each SMA Bachelor program:

Marine Engineering Technology (MET)	
UAE National Curricula	**Applicants from non-UAE national curricula**
Students only from Elite and Advance Streams will be considered. **1.** IELTS-English score of 5.0 (or equivalent) OR Pass internal Placement Test (IPT) for English; **AND** 2. Highschool grades: 70% in both Mathematics and Physics; **AND** 3. Medical Fitness Certificate; **AND** 4. Pass the personal interview process.	1. British System - Math and Physics at AS level with a minimum score "C" **OR** International Baccalaureate - min 4 points in HL Math Physics **OR** American High School - SAT score of 550 in Math and AP Physics 1 score of 3.0 **OR** equivalent as determined by SMA; **AND** 1. Medical Fitness Certificate; **AND** 2. Pass the personal interview process.

Bachelor of Maritime Transport (MT)	
UAE National Curricula	**Applicants from non-UAE national curricula**
Students from all three streams (Elite, Adv. and General) will be considered. 1. IELTS-English score of 5.0 (or equivalent) OR Pass internal Placement Test (IPT) for English; **AND** 2. Highschool grades: if from Elite/ Adv. min 70% in both Mathematics and Physics OR if from General stream min 80% in both Mathematic**s** and Physics; **AND** 3. Medical Fitness Certificate; **AND**	1. British System - Math and Physics at AS level with a minimum score "C" **OR** International Baccalaureate - min 3 points in HL Math Physics **OR** American High School - SAT score of 510 in Math and AP Physics 1 score of 3.0 **OR** equivalent as determined by SMA; **AND** 2. Medical Fitness Certificate; **AND** 3. Pass the personal interview process.

Bachelor of Maritime Transport (MT)	
UAE National Curricula	**Applicants from non-UAE national curricula**
4. Pass the personal interview process.	

****Seafarer's medical examination as per STCW regulation I/9 and IMO Guidelines(STCW.7/CIRC.19) at one of the UAE federal maritime authority (FMA)-recognized practitioners.*

Maritime Logistics & Supply Chain Management (MLSCM) / Maritime Business (MB)	
UAE National Curricula	Applicants from non-UAE national curricula
No additional entry requirements	No additional entry requirements

Verification of Admission Documents

SMA has the responsibility of verifying the authenticity of certificates presented by applicants. To satisfy the following conditions of attestation, certificates issued by secondary schools following the UAE curriculum must:

1. Be original certificates or a notarized copy,
2. Show grades received for each subject, and
3. Be attested by the issuing school, the issuing board, and the UAE Ministry of Education (for Certificates from all UAE curriculum secondary schools except those located in Abu Dhabi, which need attestation from ADEK).

If a certificate is issued by a school in the UAE that is governed by an educational authority in another country, it should be attested by the official educational authorities of the country of study, such as the British Council, the embassy of the country, and the Ministry of Education, UAE. If the certificate is from a government school in the GCC Countries (Gulf Cooperative Council Countries), the certificate then needs to be attested by the Ministry of Education of the issuing country. If a certificate is issued by a school in the GCC that is governed by an educational authority in another country, it should be attested by the official educational authorities of the country of study, such as the British Council, the embassy of the country, and the Ministry of Education in the country of study.

Submission of Equivalency letters (from Ministry of Education in UAE) is required

for all non-UAE curriculum certificates.

If the certificate is from a licensed school accredited in another country and governed by an educational authority, recognized councils, or accrediting associations in that country, it must:

1. Be an original certificate or a notarized copy,
2. Show grades received for each subject, and
3. Be attested by:
    a) the official education authorities of the country of study, e.g. Ministry of Education, British Council, etc.,
    b) the Ministry of Foreign Affairs in the country of study,
    c) the Embassy of the UAE in the country of study, or the embassy of that country in the UAE plus the Ministry of Foreign Affairs of the UAE, and
    d) If b) and c) are not possible, the authenticity of the certificate can be verified through the embassy of the country of origin and the Ministry of Foreign Affairs in the UAE.

Re-admission and Re-enrollment

Re-enrolment

Students who were previously admitted and have completed at least one term but then failed to register for up to three consecutive regular terms, may return through re-enrolment. In this case:

- A new admission application is not required.
- All outstanding financial or administrative matters must be cleared.
- The student continues under the same student number and program but must follow any updated academic rules or curriculum in place at the time of return.

Re-admission

Re-admission is required when a student's enrolment has ended and cannot be restored through re-enrolment. This applies in the following cases:

- The student did not register for more than three consecutive terms or exceeded the approved leave of absence.
- The student officially withdrew from the University, and the withdrawal was accepted.
- The student was administratively discontinued for failing to register in the required term.

In such situations:

• A new application for admission must be submitted and will be reviewed according to the admission requirements at that time.

• Readmission depends on seats availability in the program.

• Courses completed earlier at the SMA may be reviewed and accepted for credit, if they match the current curriculum and fall within the time limits set by SMA:

- For engineering, maritime technology, and transport programs: up to 5 years
- For business, logistics, and related programs: up to 7 years
- For general education / university core: up to 7 years

• Students who were dismissed for academic dishonesty or serious misconduct will not be eligible for re-admission.

• A new student number may be issued if required by the registration system.

International applicants must accept their offer by the acceptance deadline as provided in their offer letter.

Registration

The Academy uses a **Block Registration system**, where students are registered each term in a set group of courses based on their approved study plan. Individual course selection is not allowed, though changes to a block may be considered if approved by both the Academic Advisor and the Head of Department.

To support academic progress and planning, every student is required to meet with their **Academic Advisor** before the end of each term. During this advising session, the student's academic standing is reviewed, and the registration plan for the following term is confirmed.

All official updates regarding registration, including any adjustments to course blocks or cancellations, are communicated by the Registrar's Office. The **Academic Calendar** specifies the key dates for registration, add/drop, and late registration, and students are expected to comply with these deadlines.

Eligibility to Register

SMA Policy on Regular Student Status

To maintain their status as a student for the duration of their studies, students must:

- Maintain up-to-date contact details on their Student Information record
- Re-enroll by the relevant re-enrollment deadline, where required
- Accept the conditions and responsibilities detailed in the Student Code of Conduct

Declaration

- Maintain enrollment, or take an approved Leave of Absence by the relevant enrollment deadline
- Pay or defer (where applicable) all fees associated with enrollment
- Make satisfactory academic progress, including meeting relevant attendance requirements

Any student under the following conditions is not eligible for regular registration:

- Students who have been dismissed or suspended for academic reasons, such as failing to maintain the required GPA or exceeding the limits of probation
- Students who have outstanding enrolment holds, for example, pending clearance from the Registrar, Student Affairs, the library, or other SMA offices
- Students who have not yet met prerequisites or placement conditions, such as completing foundation or remedial courses, demonstrating language proficiency, or fulfilling other entry requirements

Withdrawal

During add/drop period for each semester, students can visit the office of admission and registration in person to withdraw from course(s).

Students who withdraw from all courses that they are enrolled in are eligible to register for a subsequent semester unless they lose their continuing student status.

A student who has been charged with a student conduct violation that may result in a disciplinary action may not officially withdraw from the college until a decision is taken by the appropriate disciplinary committee.

The date of withdrawal has different implications for a student's academic record and financial obligations. The table below clarifies the impact of the withdrawal date.

Withdrawal Date	Impact on Academic Record	Impact on Financial Obligations
Before Census date	Course will not appear on the student's academic record or official transcript	The student will not be required to pay tuition fees, student contribution amounts and/or student services and amenities fees related to the course.
After the Census date and on or before the last date	Course will be recorded on the student's academic	

Withdrawal Date	Impact on Academic Record	Impact on Financial Obligations
to withdraw without failure	record and official transcript as a 'W' grade (withdrawal, not fail). A 'W' grade does not affect the GPA.	The student will be required to pay tuition fees, student contribution amounts and/or student services and amenities fees related to the course.
After the last date to withdraw without failure and on or before the last day to withdraw	Course will be recorded on the student's academic record and official transcript as a 'WF' grade (Withdrawal Failure). A 'WF' grade contributes to GPA calculations.	
After the last date to withdraw	Course will be recorded on the student's academic record and official transcript as an 'F' grade (Failure).	

Joint Degrees

At present, SMA does not offer joint degree programs in which students would simultaneously or consecutively study two fields or earn two degrees in a relatively short amount of time.

Dismissal

In case a student commits an offense, the disciplinary penalties range from dismissal from the examination hall to final expulsion from the Academy. This is decided by presenting the case to the council of the relevant college after referring to the Student Affairs Committee. The penalty is then added to the student's transcript.

Students who fail to pay outstanding debts to SMA or do not arrange payment deferrals may also have their enrollment cancelled.

The maximum duration for a student to remain on the list of academic probation or underachievement in his/her department is three consecutive semesters, A student is subsequently guided by the academic advisor to choose another educational path suitable for his/her capabilities, such as:

- Transferring to another department within the same college.
- Transferring to another SMA college. Otherwise, the student is dismissed from SMA.

Transfer Students

Students transferring from other institutions are accepted according to the following terms and conditions.

Transfer from other Universities

1. Students are eligible for transfer admission from accredited institutions in the UAE, or from a foreign institution of higher education based outside the UAE and accredited in its home country.
2. Transferred students must meet the English language proficiency requirements (all entering transfer students must present a valid proficiency level certification (TOEFL or IELTS or EMSAT) demonstrating the required scores for full admission.
3. Transferred students are requested to submit all course contents from subjects that had been achieved from all institutions that were attended. Subjects considered for transfer are those with minimum grade of C and consistency with similar SMA courses.
4. Transferred students are required to meet the admission requirements of SMA.
5. Transferred students must not have been dismissed from their previous universities for disciplinary reasons.
6. Transferred students should have completed at least one academic semester in their previous universities.
7. Courses already completed by the student may be transferred if they are equivalent to those studied at SMA and that the grade obtained in such courses is higher than a conditional pass (at least "C" in the credit hour system).
8. Grades of transferred credit hours are not calculated in a student's GPA but shall only be transferred in their transcript as achieved hours within the graduation requirements.
9. The number of transferred credit hours must not exceed 50% of the graduation requirements of the college to which a student transfers.
10. The student should fill a Course Transfer form and submit it to the Office of Admission and Registration to continue the transfer procedure.
11. Transferred students should submit their official transcripts as well as official copies of the course outline or syllabi from the previous institution to the Office of Admission and Registration to process requests for the transfer of credits. The Office of Admission and Registration will send the documents to the College for evaluation. The College, after evaluating and taking the decision with the College Council, will respond to the Registrar's office within one week of receiving the request.

Transfer within SMA

Students may transfer from one program to another within the same college or from one college to another within SMA as per the student's request if he/she meets the admission requirements and has obtained approval from the department or college to which the student wishes to transfer.

Student Code of Conduct

Building a Strong SMA Community: Our Shared Values and Expectations

As valued members of the SMA community, students contribute to creating an environment of excellence, respect, and academic integrity. Here's how we work together to build a thriving educational community:

Academic Excellence and Engagement

Students demonstrate commitment to their education by actively participating in all required lectures, seminars, and academic activities. Regular attendance shows respect for instructors, fellow students, and the learning process itself. When you engage fully in your coursework, you contribute to the dynamic academic environment that benefits everyone.

Creating Respectful Learning Spaces

Maintaining a peaceful, focused atmosphere in classrooms, laboratories, and libraries allows everyone to learn effectively. Students support this environment by being considerate of others and contributing positively to discussions and group work.

Upholding Honor and Dignity

SMA community members conduct themselves with integrity both on and off campus, representing the academy with pride. This includes treating all faculty, staff, students, and visitors with courtesy and respect, creating an inclusive environment where everyone feels valued and supported.

Following Proper Procedures

Students work within established channels when organizing activities or using academy facilities, obtaining necessary approvals to ensure events align with institutional values. This collaborative approach helps create meaningful programs that enrich campus life for everyone.

Responsible Use of Resources

Academy facilities, equipment, and spaces are used thoughtfully and for their intended educational purposes. When special arrangements are needed, students work with administrators to ensure proper authorization, demonstrating good stewardship of shared resources.

Transparent Communication

All campus communications, publications, and fundraising activities follow proper approval processes, ensuring information shared reflects academy standards and values. This collaborative approach maintains clear, professional communication across our community.

Academic Integrity in All Work

Students demonstrate honest scholarship by properly citing sources in all academic work, including theses, projects, and assignments. This includes appropriate documentation of internet sources and responsible use of artificial intelligence tools according to academy guidelines. Original thinking and proper attribution strengthen the academic community's foundation of trust.

Honest Assessment Practices

Maintaining integrity during examinations and assessments ensures fair evaluation for all students. This means completing your own work, following all testing protocols, and supporting an environment where academic achievement reflects genuine learning and effort.

Respecting Community Standards

Students honor the cultural values of our Sharjah location by following appropriate dress codes and behavioral expectations throughout campus, showing respect for local customs and creating an inclusive environment for our diverse community.

Maintaining a Healthy Environment

Keeping our campus smoke-free supports the health and comfort of all community members, creating clean, pleasant spaces for learning and collaboration.

By embracing these values, SMA students contribute to a vibrant academic community where everyone can thrive, learn, and grow together.

For the Academy and its community to thrive, the rights, responsibilities, and reasonable standards of conduct essential to such a community must be clearly understood. SMA's Student Code of Conduct clarifies the standards of conduct expected from all SMA students.

The following actions are considered violations that expose the student who commits any of them to the penalties detailed in the following section:

a. Deviation from the laws, regulations and instructions in force in the country or the systems applied in the academy.

b. Intentional abstention from attending lectures and other academic work that regulations require attendance at, or incitement to do so.

c. Disturbance of order inside lecture halls, laboratories, libraries or other academic facilities.

d. Committing any act that violates honor, dignity, or morals, or violates good conduct, or that would harm the reputation of the Academy or its employees, whether inside or outside the Academy, or in any activity or event in which the Academy participates.

e. Establishing any organization within the Academy or participating in it without a

previous license from the competent authorities in the Academy or the State or participating in any group activity that violates the organizational rules of the Academy.

f. Using the academy's buildings, facilities, or property for purposes other than those for which they were intended without prior permission from the relevant authority, or misusing the licenses granted.

g. Distributing flyers, issuing gazettes, placing advertisements, or collecting signatures and donations without obtaining a license from the competent authorities in the Academy, or misusing the licenses granted to practice the aforementioned activities.

h. Directing insult or abuse to any faculty member, employee, student, or visitor at the academy.

i. Damaging or defacing, the Academy's movable or immovable property, or rendering it inoperable.

j. Forgery of academic documents or use of forged papers for any purpose.

k. Any forgery or distortion in the application to join the Academy or in any document submitted by the student during his or her enrollment in the Academy.

l. Attempting or being caught in the act of cheating.

m. Quoting the work of others without documenting it in doctoral and master's theses, graduation projects, research, assignments, reports, etc. Quoting includes any information found in various learning sources, including the Internet or use of Artificial Intelligence in contravention of the regulations approved by the Academy in this regard.

n. Impersonating another student to take an assessment in his or her place.

o. Copying someone else's answers during an assessment.

p. Obtaining a copy of the test or information about it before it is held.

q. Purchasing projects and or research papers for unauthorized use in assessment.

r. Bringing unauthorized phones, electronic watches, or electronic devices into the exam hall, or communicating with other people about the exam while it is in session.

s. Failure to comply with the modesty instructions in force in the Emirate of Sharjah within the academic campus.

t. Smoking of any kind inside the buildings or courtyards of the academic campus.

Examination Behaviors

The student may not disrupt the examination system, violate the instructions given by the person in charge of the examination hall, or intentionally disturb the calm. Any student who demonstrates such behavior will be ordered to hand over

the answer sheet and leave the hall. The invigilator of the examination hall shall write a detailed account of the incident immediately after the end of the exam. This report must be approved by the head of the exam hall and submitted to the Dean of the college to take the necessary action.

Student Disciplinary Committee

The committee responsible for monitoring students' behavior is the Student Disciplinary Committee which consists of the following individuals: the Dean of Student Affairs (who chairs the committee), a college Dean, an Admissions and Registration representative, a facilities representative, two faculty members, and a member of Legal Affairs.

The Committee is responsible for the following:

a. Examining the behavioral violations committed by any student, following an investigative process, during which the student is given the full opportunity to defend his or her actions

b. Issuing decisions to impose appropriate disciplinary penalties for the violation committed in accordance with the penalties stipulated in the Student Conduct Regulations.

c. Applying the current approved student disciplinary regulations on disciplinary cases referred to by the Chancellor and Deans regarding various types of behavioral violations, including examination violations.

Penalties

The penalties that may be imposed on the student are as follows:

a) Written warning.

b) Removing the student from the classroom, laboratory, library, or exam.

c) Depriving the student from attending some lectures of the course in which the student disrupts the discipline, providing this does not exceed (20%) of the number of lectures for the course.

d) Suspension for a specific period from using the academy's facilities or services where the violation occurred

e) Suspension for a specific period from practicing one or more of the student activities in which the violation was committed.

f) Academic warning in its three levels: first, second and final.

g) A fine that is of equal value to what the student destroyed.

h) Cancellation of the student's registration in one or more courses of the semester in which the violation occurred.

i) Nullifying the student's exam in one or more courses and marking them as having failed those courses

j) Temporary dismissal from the academy for a semester or more.

k) Final dismissal from the academy, giving the student the right to transfer to another academy or university.

l) Final dismissal and withholding of the student's academic record.

m) Withdrawal of the certificate and cancellation of the decision to grant it if it becomes clear that there is forgery or fraud in the procedures for granting it.

Attempted Cheating Penalties

If the student is caught attempting to cheat, one of the following penalties or a combination of them will be applied:

a) The student will be considered to have failed the course in which he or she attempted to cheat on the exam.

b) Cancellation of the registration from the courses for which the student was registered in the semester in which the offence occurred.

Being Caught in the Act of Cheating Penalties

If the student is caught red-handed in cheating, one or all the following penalties will be applied:

a) The student is considered to have failed the course in which s/he was caught cheating on her/his exam.

b) Cancellation of the registration from the courses for which the student was registered in the semester in which the offence occurred.

c) The student will be suspended from the academy for a semester, which is the semester following the one in which the offence occurred. The summer semester is not considered a semester for this purpose, and any courses taken at another academy or university over the suspension period will not be considered for credit transfer.

If cheating is discovered or suspected after the exam, the student remains accountable and will be referred to the appropriate investigation committee for review and recommendations.

Application of Penalties

a) Two or more penalties can be combined.

b) If the student committed the same offense again, the most severe penalty will be imposed.

c) Decisions to impose penalties are kept in the student's file with the Deanship, Admissions Department, and Registration Department. The competent authority imposing the penalty is notified, and a copy of the decision is sent to the student's parent or guardian and the study grant authority, if any.

d) None of the penalties may be imposed until the investigation with the student is completed, including recording the student's statements and those of witnesses. The student must be given written notice of scheduled dates for this process. If the student fails to appear on these dates without a valid excuse accepted by the investigation committee, they will forfeit their right to participate. In such cases, the investigation will proceed with the student's violation being considered in their absence.

e) The Registration Department maintains a record of all penalties issued against the student, which are noted in their transcript. This information is clearly indicated whenever the student receives any official documents.

f) At the Chancellor's discretion, and upon the student's request, the penalty may be removed if the student demonstrates good behavior

Academic Policies and Regulations

Academic Integrity

Academic integrity is a core value of SMA. Consequently, all SMA students are expected to uphold the highest standards of honesty and transparency pertaining to the practice of acquiring and presenting knowledge. SMA does not tolerate any form of academic misconduct including, but not limited to, cheating, plagiarism, fabrication, and impersonation. Academic dishonesty includes taking content from an Internet search, another person/entity, or AI technology such as ChatGPT (either directly or with modification) and representing it as one's own work.

Cheating

The following actions shall be considered cheating by SMA, regardless of whether the perpetrator benefits from them.

- Possession of switched-on mobile phones during exams, on which course information/documentation is stored.
- Possession of any unauthorized material on any physical media during any exam, whether the material is written, printed, or engraved using any means. This includes books, class notes etc. Material allowed by the instructor and explicitly listed on exam papers are not included in this definition.
- Exchanging the exam paper or answer sheet with another student during an exam.
- Failing to observe academic integrity while performing any academic work. Examples include submitting reports and/or assignments for grading which are not completed by the student, or where the student receives significant help from others where the work is believed to be his/her own.
- Assisting another student to commit acts of academic dishonesty.
- Interference with other students' work.

Plagiarism

Plagiarism can be generally defined as the replication of someone else's words, ideas, results, or any other form of original knowledge generated by that person, without explicitly acknowledging the source of the information to infringe on the intellectual property of the said person. SMA uses Turnitin software to check student work for plagiarism. Students are encouraged to fully understand the institutional definition of plagiarism by considering the following examples:

- Presenting someone else's work as your own without their knowledge (if the person knows you are using their work, it is considered cheating).
- Copying someone else's ideas, without necessarily copying the exact words, graphs or designs, without citation or reference to the original work.
- Failing to put a quotation within quotation marks, causing the reader to mis- interpret the source

- Providing false information about the quotation source.
- Rephrasing content by copying the main idea and sentence structure of a source without giving credit.
- When most of one's work is mainly comprised of many ideas and words of a source (even if referenced).

Fabrication

The falsification or invention of any information or data in academic work, including records or reports, laboratory results, etc.

Impersonation

The act of taking the identity or pretending to be another student during written or oral evaluations or for claiming attendance.

Penalties for Academic Integrity Violations

If a student is caught in an academic integrity violation attempt, one of the following penalties or a combination of them will be applied to the student:

1. The student will be considered to have failed the course in which he/she attempted the academic integrity violation.
2. Cancellation of the student's registration from the courses for which he/she was registered in the semester in which he/she attempted the academic integrity violation.

If a student is caught 'red-handed' in an academic integrity violation, one or all the following penalties will be applied to the student:

1. The student is considered to have failed the course in which he/she was caught in the academic integrity violation.
2. Cancellation of the student's registration from the courses for which he/she was registered in the semester in which he/she was caught.
3. The student will be expelled from the academy for a semester, which is the semester following the one in which he/she was caught. The summer semester is not considered a semester for this purpose, and he/she will not be accepted for any course he/she studies at any other academy or university during the duration of his/her semester.

The student remains accountable if cheating is discovered or suspected after the exam and will be referred to the appropriate investigation committee for review and recommendations.

Student Grade Appeals

Grounds for a student to appeal against a grade are as follows:

1. Procedural grounds, including failure to follow correct procedure, mistaken identity, aggregation errors, and addition errors.
2. Bias in marking: the marker was prejudiced against the student or the student's beliefs.
3. Arbitrary marking: the work was not evaluated on its academic merit against the approved marking scheme/rubric.
4. Inappropriate assessment: the assessment does not match what was taught in the course.

A student who is dissatisfied with the grade reported may make an appeal provided the grounds are one or more of those stated directly above.

Appeals against a grade for a course or a course assessment:

1. The student shall appeal in writing to Student Affairs within 10 working days of the date on which the results of the assessment are published. The document shall clearly set out the grounds for the appeal and include all supporting evidence.
2. Student Affairs sends the appeal to the Academic Line Manager of the relevant faculty member.
3. The Academic Line Manager determines if the appeal is valid.
4. The student is notified of the decision within 10 working days of receipt of the appeal.
5. The decision of the Academic Line Manager is final.

Student Complaints

Many complaints can be resolved through informal discussions. To file an official complaint, a student shall fill out the Student Complaint Form that is available in the Student Affairs Department and submit the completed form to the Student Affairs Department assistant.

SMA ensures confidentiality of complainants and objectivity of investigators.

The Head of Student Affairs shall review the complaint for appropriate action and route it to the relevant department if further advice or action is required.

The complaint shall be resolved with appropriate comments/advice conveyed in writing to the complainant(s) within 2 working days of the complaint submission. Once resolved, the student shall be asked to complete a survey.

In case the student is dissatisfied with the resolution of a complaint or does not agree with the response, the student may re-submit the complaint. The student may also lodge an appeal to the relevant Vice Chancellor within 10 working days of SMA's initial response.

Grades, Academic Standing, & Credit Hours

SMA Grading Scale

SMA students benefit from attention to their performance due to the maintenance of smaller class sizes. SMA's student-faculty ratio for academic year 2024-25 was 16:1. Along with its commitment to maintain smaller class sizes, SMA is keen to provide students with a voice in their academic journey. SMA surveys students' satisfaction with their overall experience on an annual basis, with the most recently conducted survey showing an 81% student satisfaction rate.

Students enrolled in courses in SMA programs are graded according to the table below.

Grade	Points	Percentage (%)
A+	4	97% and above
A	3.83	93%- Less than 97%
A-	3.66	89%- Less than 93%
B+	3.33	84%- Less than 89%
B	3	80%- Less than 84%
B-	2.66	76%- Less than 80%
C+	2.33	73%- Less than 76%
C	2	70%- Less than 73%
C-	1.66	67%- Less than 70%
D+	1.33	64%- Less than 67%
D	1	60%- Less than 64%
F	Zero	0- Less than 60%
I	Incomplete	
W	Withdrawn	
U	Unspecified	
TR	Transfer	
P	Pass	

Grade Point Average Calculation

Grade Point Averages (GPA) are calculated at the end of every term on a scale from 0.00 to 4.00. Cumulative Grade Point Average (CGPA) is calculated by dividing the total number of program grade points earned by the total number of credits of program courses taken. Term Grade Point Average is calculated by dividing the total number of program grade points earned in the term by the total number of credits of all program courses taken in the term.

GPA	Descriptive Grade	Equivalent Percentage
3.7 – 4.0	Excellent	89%- 100%
3.3 – less than 3.7	Very good	84% - less than 89%
2.7 – less than 3.3	Good	76% - less than 84%
2.0 – less than 2.7	Pass	70% - less than 76%

Incomplete Coursework

An incomplete (I) grade is applicable if a final exam is postponed due to an urgent excuse accepted by the college. This is applicable on the condition that the student has a minimum average of 60% in the related course work. An incomplete result (I) is given to enable the student to sit for the final exam on the assigned date. The deadline for modifying an incomplete grade is the end of the first week of the following regular semester. Otherwise, the student is considered to have failed the course.

Academic Progress

SMA students are considered in good academic standing if they have a minimum GPA of 2.0.

A student is placed on academic probation if his/her GPA falls below 2.0.

A student is placed on the underachievement list if their achieved credit hours are less than 50% of the total number of hours they were supposed to complete at their current level since they joined SMA.

Students categorized as on probation or underachieving may register for no more than 9 credit hours in one academic semester.

The maximum duration for a student to remain on the list of academic probation or underachievement in his/her department is three consecutive semesters. After three consecutive semesters, a student will be subsequently guided by the academic advisor to choose another educational path suitable for his/her capabilities, such as:

- Transferring to another department within the same college.
- Transferring to another SMA college.

Credit Hours

Courses are calculated in credit hours. Each course carries a certain number of credit hours that are awarded after the successful completion of that course.

The number of credits assigned to each course depends on several factors, including the type of program you are enrolled in, how the course is delivered, and the total contact hours required. This system ensures that all courses provide appropriate academic rigor and learning opportunities regardless of their format.

Bachelor Program Credit Requirements

In bachelor's degree programs, different types of courses have specific time requirements that correspond to credit hours. The time expectations include both scheduled class time and independent study time that students complete outside of class.

For courses delivered through lectures and seminars, each credit hour represents

approximately 15 hours of classroom instruction combined with 30 hours of independent learning activities. This means students attend class sessions while also engaging in reading, research, assignments, and other learning activities on their own time throughout the course duration.

Laboratory and tutorial-based courses follow a different structure due to their hands-on nature. In these courses, one credit hour corresponds to approximately 30 hours of laboratory sessions or tutorial meetings, plus an additional 15 hours of independent learning time. The increased laboratory time reflects the practical, skill-building focus of these courses.

Capstone project courses, which serve as culminating experiences for degree programs, require one credit hour to represent approximately 15 hours of scheduled supervision or structured project activities. Students also complete 30 hours of independent project work, which may include conducting research, creating designs, implementing solutions, analyzing results, and preparing reports. This independent work occurs throughout the entire course duration under faculty guidance.

Specialized Program Requirements

Students enrolled in maritime cadetship courses have unique requirements that reflect the professional nature of maritime training. For each credit hour in cadetship courses, students must complete 60 hours of supervised on-board training, also known as sea time. This training takes place under the direct guidance of licensed maritime officers, ensuring students gain practical experience in real maritime environments.

Work placement courses, which provide students with professional experience in their field of study, require students to complete 60 hours of workplace experience for each credit hour assigned. These placements allow students to apply their academic knowledge in professional settings while building practical skills and industry connections.

Course Type Definitions

Core Course

A core course is a required class that all students in a specific program must complete to earn their degree. These courses provide the essential knowledge and skills needed for your field of study. Core courses cannot be substituted with other classes, and you must pass all core courses to graduate from your program.

Elective Course

An elective course is an optional class that you can choose to take based on your interests or career goals. While you must complete a certain number of elective credits to graduate, you have the freedom to select which specific elective courses you want to take. Elective courses allow you to explore topics outside your main area of study or to specialize more deeply in areas that interest you.

General Education Course

All programs have a General Education component. The courses that students are required to take are detailed in each program section; General Education courses cover areas including English, mathematics, and Emirati cultural studies.

Student Classification by Progression

Students are classified in terms of their progress towards their bachelor's degree according to the number of credit hours successfully completed.

Bachelor of Marine Engineering Technology program

First Year / Freshman	00 – 28 credit hours
Second Year / Sophomore	29 – 58 credit hours
Third Year / Junior	59 – 94 credit hours
Final Year / Senior	95 + credit hours

Bachelor of Maritime Transport program

First Year / Freshman	00 – 28 credit hours
Second Year / Sophomore	29 – 55 credit hours
Third Year / Junior	55 – 91 credit hours
Final Year / Senior	92 + credit hours

Bachelor of Maritime Business

First Year / Freshman	00 – 29 credit hours
Second Year / Sophomore	30 – 59 credit hours
Third Year / Junior	60 – 89 credit hours
Final Year / Senior	90 + credit hours

Bachelor of Maritime Logistics & Supply Chain Management

First Year / Freshman	00 – 29 credit hours
Second Year / Sophomore	30 – 59 credit hours
Third Year / Junior	60 – 89 credit hours
Final Year / Senior	90 + credit hours

Tuition, Financial Aid, & Scholarships

SMA Tuition and Fees

How Tuition Fees Are Set

The Board of Trustees sets SMA tuition fees each year with approval from the President. Tuition fees may increase by 3% to 5% for all students (both new and returning students) without advance notice. However, larger increases usually apply only to new students.

Tuition Costs

The tuition cost is AED 1,350 per credit hour for all programs offered at the institution. For new bachelor's degree students beginning their studies in August 2025, the approximate annual cost is AED 40,500 per year over four years, calculated before applying any available discounts or financial aid.

It is important to understand that tuition fees cover only academic instruction. Additional expenses that students must budget for separately include uniforms, specialized training courses, campus housing, meal plans, textbooks and learning resources, placement-related costs, and educational trips.

Financial Aid and Discounts

The institution offers significant financial support to help make education more accessible. Emirati students from Sharjah Emirate are eligible for substantial discounts based on their family's financial situation. Students whose father or guardian earns AED 50,000 or less per month qualify for a complete 100% discount covering full tuition costs. Those whose father or guardian earns above AED 50,000 monthly receive a 50% discount, reducing their tuition burden by half.

Emirati students from other UAE emirates, as well as non-Emirati students, are eligible for a 30% discount on tuition fees, making the education more affordable for the broader regional community.

The Chancellor may regulate payment for special humanitarian cases. Any other financial aid requests require approval by the Board of Trustees Finance Committee.

Additional Fees

Beyond tuition, students must budget for several additional fees that vary depending on their chosen program and living arrangements.

Uniform Requirements: Students in different programs have varying uniform costs. Maritime Transport and Marine Engineering students pay AED 5,250 for uniforms, which can be paid in two instalments for convenience. Foundation Program students have a one-time uniform fee of AED 210, while Maritime Logistics and Supply Chain students pay AED 525 once for their required uniforms.

Specialized Training: Students enrolled in Maritime Transport (MT) and Marine

Engineering Technology (MET) programs must complete specialized training courses. These courses cost between AED 4,000 and AED 6,000, with the exact amount determined by the specific requirements of the company where students will complete their practical placement.

Housing Arrangements: The institution requires all first-year students to live on campus to support their transition to university life. Housing costs AED 3,500 per term, with three terms per year, resulting in an annual housing expense of AED 10,500. After the first year, students may apply for continued campus housing based on availability and their academic standing.

Meal Plans: Students pay AED 4,500 per term for meal plans, totalling AED 13,500 annually across the three terms. This provides students with regular, nutritious meals throughout their academic year.

Books and Learning Resources: The cost of textbooks and educational materials varies by program and is charged at actual cost. Students should budget for these essential learning materials each semester based on their specific course requirements.

Placement and Educational Trips: The institution typically covers the costs associated with student placements and educational trips. However, in certain circumstances, students may be responsible for paying the actual costs of these valuable learning experiences.

Payment Requirements and Schedule

Several fees are required at the time of admission and registration. Students must pay a non-refundable admission fee of AED 660 to secure their place in the program. An advance payment of AED 5,000 is also required, but this amount will be credited toward future fees after successful registration. Additionally, students pay a one-time security deposit of AED 1,500 during the registration process.

As students approach graduation, they will pay a graduation fee of AED 1,000 during their final year. Students who require additional services such as document attestations and official seals will pay an extra AED 200 for these services.

The institution operates on a structured payment plan that divides the annual fees into three parts: 60% of the total amount is due at the beginning of the academic year, followed by 20% payments in each of the subsequent terms. This 60%-20%-20% payment schedule helps families manage the financial commitment more effectively throughout the year.

Important Note: All financial amounts listed include Value Added Tax (VAT) where applicable, ensuring transparency in the total costs students and families can expect to pay.

Tuition and Fees Payment Procedure

Invoice Process

The institution handles invoicing differently depending on how a student's education is funded. Students who are paying for their own education will receive an invoice that reflects the specific program they have chosen and the individual courses in which they have enrolled for that semester.

For students whose education is sponsored by an organization or government entity, the invoicing process involves the sponsor directly. The institution will send invoices to the sponsoring organization within three weeks after the Add & Drop period ends. These invoices are prepared based on the official sponsorship letter that the institution receives from the sponsor, ensuring that all parties have clear documentation of the financial arrangement.

Tax and Financial Support Applications

When fees are subject to taxation, the institution issues standard tax invoices that comply with local regulations. Any applicable discounts or scholarships that students have qualified for will be automatically applied to reduce the total amount due.

Students who receive partial financial support, such as partial scholarships or bursaries, will see these benefits applied directly to their gross tuition fees before the final invoice amount is calculated. This ensures that students understand exactly how their financial aid reduces their educational costs.

Payment Methods and Information

All payments for tuition and fees must be made through bank transfer to ensure secure and traceable transactions. Students and sponsors can obtain the institution's complete bank account information by contacting the Registrar's Office, which will provide all necessary details including account numbers, routing information, and any specific transfer instructions.

Course Changes and Financial Penalties

The institution recognizes that students may need to adjust their course schedules early in the semester. To accommodate this common need, students may add courses to their schedule or drop courses without facing any financial penalties during specific timeframes. For all terms, this penalty-free period extends through the first two weeks of the semester. These policies help students finalize their academic schedules while managing their educational costs effectively.

Refunds

Students are eligible for refunds in the cases shown below.

Refund Scenario	Documents Required
A student has received a scholarship after paying tuition fees	• Scholarship certificate/ Sponsorship letter indicating the percentage of scholarship • Payment receipt
A student has withdrawn their application from SMA within the registration period	• Clearance certificate from SMA • Payment receipt
A student has withdrawn from courses within the registration period	• Academic advisor approval • Registrar approval • Payment receipt
Surplus in student account after graduation	Clearance certificate from SMA

Refunds should be requested through the Registrar's office with a Refund Request Form. Refunds are processed twice a month (on the 15th and 30th of each month). All required documents and forms must be submitted 5 days prior to the processing date.

Refunds are directly credited to the account holder from whom the initial payment was received or according to an Approval Form request submitted through the Admission & Registration Department.

If a sponsored student has a credit balance in their account from sponsor support, the student must submit a no objection letter from the sponsor to receive the refund amount.

Housing fees will not be refunded after they have been paid, except in special cases determined by the Chancellor.

College of Maritime Transport and Technology

The College of Maritime Transport and Technology aims to graduate candidates that have the necessary education and training to become a Navigating officer or Marine Engineering officer onboard ships. The programs provided by the college cover the academic components required by the International Convention of Standards of Training, Certification and Watch Keeping for Seafarers (STCW) under the supervision of the International Maritime Organization (IMO).

The graduates are taught the ability to lead successfully, work efficiently, and communicate effectively in a team. Their experience during undergraduate programs and seagoing services will instill ethical values and professional standards, helping them expand their knowledge and competencies through continuing education and other lifelong learning experiences. Additionally, graduates will be prepared to make positive impacts on the maritime industry through the knowledge, skills, and competencies gained in their time at Sharjah Maritime Academy.

The College of Maritime Transport and Technology offers two bachelor's degree programs:

- Bachelor of Maritime Transport
- Bachelor of Marine Engineering Technology

Department of Maritime Transport

The Maritime Transport Department offers a Bachelor of Maritime Transport, with two concentrations: (1) Shipping and Port Operations; (2) Offshore Operations.

Program Aim

The aim of this program is to provide the students with the knowledge, understanding and skill necessary to prepare marine officers graduates who meet the entry requirements, for the Watch keeper Certificate of Competency (2nd officer certificate).

Maritime Transport Technology program is committed to being an instrument of positive change in the maritime industry for the ultimate benefit of society. For all those who undertake education and training at the program, Maritime Transport Technology program shall facilitate acquisition of the right learning, right skills and the right attitude thereby promoting in them a passion for the profession.

Program Educational Objectives

Within a few years of graduation, successful Maritime Transport graduates will:

1. Successfully manage complex shipping, logistics, and port operations while adapting to evolving industry challenges

2. Be active contributors to the advancement of maritime practices and operations by using advanced technical, creative, and analytical skills to solve practical maritime challenges
3. Act ethically, demonstrating commitment to sustainable practices and responsible citizenship within the global maritime community
4. Demonstrate commitment to continuous professional development and staying current with evolving industry best practices, contributing to the growth of the UAE maritime sector

Program Learning Outcomes

PLO1: Demonstrate thorough understanding of current practices in maritime transport and related fields as they apply to the wider maritime industry (UAE NQF 2024: K1, K2)

PLO2: Evaluate information from diverse sources and use appropriate research techniques to explore complicated problems in the maritime field and identify potential solutions (UAE NQF 2024: K1, K2, K3)

PLO3: Manage complex maritime transport operations and challenges in both familiar and new situations (UAE NQF 2024: S3, R1, R4)

PLO4: Apply technical and analytical skills to develop innovative solutions for specialized maritime transport problems (UAE NQF 2024: K3, S1, S3, S4)

PLO5: Demonstrate the ability to work effectively in a variety of group roles to successfully achieve professional or academic goals in maritime transport related contexts (UAE NQF 2024: S2, R3)

PLO6: Communicate effectively on complex issues related to maritime transport in professional or academic settings (UAE NQF 2024: R1, R2, R3)

PLO7: Make informed judgements in maritime transport contexts based on relevant legal and ethical principles aligned with professional responsibilities and responsible citizenship (UAE NQF 2024: R2, R4)

Completion Requirement

Students seeking the Bachelor of Maritime Transport (BMT) must successfully complete the following requirements:

- A minimum of 122 credit hours distributed as follows:
  - 27 credit hours of general education.
  - 89 credit hours of core requirements.
  - 6 credit hours of work integrated learning.
- Minimum cumulative GPA of 2.00
- Minimum duration of study is 4 years; maximum duration of study is 8 years

General Education Requirement

Students are required to register for 27 General Education credits as listed below.

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
GED 111	Emirati Studies	None	3
GED 103	General English	None	3
GED 109	Study Skills	None	3
GED 202	Islamic Studies	None	3
GED 1305	Technical Writing and Communication	GED 103	3
GED 101	Physics I	None	3
GED 330	Maritime Cyber Risk Management	None	3
GED 4108	Innovation & Entrepreneurship	None	3
GED 100	Research Methods	None	3

Program Requirements

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
T 1221	Introduction to Ship & Cargo Knowledge	None	2
SL 111	Seafaring & Leadership I	None	0
P 101	Physical Education I	None	0
T 1211	Introduction to Navigation & Chart Work	None	2
T 1331	Introduction to Bridge Watchkeeping & Marine Communication	None	2
T 1210	Introduction to Digital Navigation	None	2
SL 122	Seafaring & Leadership II	SL 111	0
P 102	Physical Education II	P 101	0
MET 231	Introduction to Ship Stability & Construction	GED 102	2
MT 292	Introduction to Maritime Law	None	2
T 1311	Ship Emergency Procedures	None	2
SL 133	Seafaring & Leadership III	SL 122	0
P 203	Physical Education III	P 102	0
MTP 2101	Maritime Placement	30CR+2.0GPA+ SL133	6
T 2212	Advanced Navigation & Chart Work	None	3
T 2252	Advanced Maritime Law	None	3
MET 161	Chemistry & Alternative Fuels	None	3
T 2313	Electronic Chart & Passage Planning	None	3
T 2222	Advanced Ship & Cargo Knowledge	None	3
T 2332	Advanced Bridge Watchkeeping & Marine Communication	None	3
T 3114	Ship Compasses	GED 101	3
T 3115	Marine Radar & Automatic Plotting Aid	GED 101	3
T 3116	Advanced Digital Navigation Systems	GED 101	3
T 3117	Celestial Navigation	None	3

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
T 3218	Meteorology	None	3
MET 233	Introduction to Marine Engineering Systems	None	3
T 3234	Ship Handling	None	3
T 3319	Integrated Navigation Systems	T 3116	3
T 3323	Cargo Terminals & Smart Ports	None	3
MET 332	Advanced Ship Stability & Construction	MET 231	3
MET 410	Contemporary Maritime Practices	None	3
BML 133	Maritime Economics	None	3
T 4153	Applied Maritime Law	T 2252	3
T 4210	Capstone Project I	None	3
T 3341	Maritime Green Sustainability	None	3
T 4213	Applied Shipboard Operations & Maintenance	T 2212	0
T 4124	Applied Ship Stability & Construction	MET 332	3
T 4312	Capstone Project II	T 4210	3
T 4211	Applied Navigation & Chart Work	T 2212	3
T 4254	Maritime Leadership & Management	None	3
T 4314	Applied Bridge Operation & Emergency	T 4210	0

Work Integrated Learning

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
MTP 2101	Maritime Placement	30CR+2.0GPA+ SL133	6

Bachelor of Maritime Transport Study Plan

Year 1 / Term 1			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 111	Emirati Studies	None	3
GED 103	General English	None	3
GED 109	Study Skills	None	3
T 1221	Introduction to Ship & Cargo Knowledge	None	2
SL 111	Seafaring & Leadership I	None	0
P 101	Physical Education I	None	0
Year 1/ Term 2			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 202	Islamic Studies	None	3
T 1211	Introduction to Navigation & Chart Work	None	2
T 1331	Introduction to Bridge Watchkeeping & Marine Communication	None	2
T 1210	Introduction to Digital Navigation	None	2
SL 122	Seafaring & Leadership II	SL 111	0
P 102	Physical Education II	P 101	0
Year 1/ Term 3			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 1305	Technical Writing and Communication	GED 103	3
MET 231	Introduction to Ship Stability & Construction	GED 102	2
MT 292	Introduction to Maritime Law	None	2
T 1311	Ship Emergency Procedures	None	2
SL 133	Seafaring & Leadership III	SL 122	0
PE 203	Physical Education III	P 102	0
Year 2/ Term 4			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
MTP 2101	Maritime Placement	30CR+2.0GPA+ SL133	6
Year 2/ Term 5			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 113	Physics 1	None	3
T 2212	Advanced Navigation & Chart Work	None	3
T 2252	Advanced Maritime Law	None	3
Year 2/ Term 6			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
MET 161	Chemistry & Alternative Fuels	None	3
T 2313	Electronic Chart & Passage Planning	None	3

T 2222	Advanced Ship & Cargo Knowledge	None	3
T 2332	Advanced Bridge Watchkeeping & Marine Communication	None	3
Year 3 / Term 7			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
T 3114	Ship Compasses	GED 101	3
T 3115	Marine Radar & Automatic Plotting Aid	GED 101	3
T 3116	Advanced Digital Navigation Systems	GED 101	3
T 3117	Celestial Navigation	None	3
Year 3 / Term 8			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
GED 330	Maritime Cyber Risk Management	None	3
T 3218	Meteorology	None	3
MET 233	Introduction to Marine Engineering Systems	None	3
T 3234	Ship Handling	None	3
Year 3 / Term 9			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 4108	Innovation & Entrepreneurship	None	3
T 3319	Integrated Navigation Systems	T 3116	3
T 3323	Cargo Terminals & Smart Ports	None	3
MET 332	Advanced Ship Stability & Construction	MET 231	3
Year 4 / Term 10			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 100	Research Methods	None	3
MET 410	Contemporary Maritime Practices	None	3
BML 133	Maritime Economics	None	3
T 4153	Applied Maritime Law	T 2252	3
Year 4 / Term 11			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
T 4210	Capstone Project I	None	3
T 3341	Maritime Green Sustainability	None	3
T 4213	Applied Shipboard Operations & Maintenance	T 2212	0
T 4124	Applied Ship Stability & Construction	MET 332	3
Year 4 / Term 12			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
T 4312	Capstone Project II	T 4210	3
T 4211	Applied Navigation & Chart Work	T 2212	3
T 4254	Maritime Leadership & Management	None	3
T 4314	Applied Bridge Operation & Emergency	T 4210	0

Department of Marine Engineering Technology

The Marine Engineering Technology Department offers a Bachelor of Marine Engineering Technology (MET).

Program Aim

The program aims to provide the students with the knowledge, understanding, and skills necessary to prepare engineering graduates who meet the entry requirements for the Watchkeeper Certificate of Competency (3rd engineer certificate). The Marine Engineering program is committed to be an instrument of positive change in the maritime industry for the ultimate benefit of society. For all those who undertake education and training at the program, the marine engineering program shall facilitate the acquisition of the right learning, the right skills, and the right attitude thereby promoting in them a passion for the profession.

Program Educational Objectives

Within a few years of graduation, successful Marine Engineering Technology graduates will:

PEO1: apply advanced theoretical knowledge, engineering principles, and modern practices in marine engineering technology to analyze, design, and implement solutions to complex maritime challenges.

PEO2: engage in research, experimentation, and problem-solving by integrating knowledge from diverse sources, employing appropriate methodologies, and utilizing data-driven decision-making in maritime engineering contexts.

PEO3: demonstrate the ability to lead and collaborate effectively in multidisciplinary and multicultural teams, contributing to safe, efficient, and sustainable maritime operations.

PEO4: communicate effectively across technical and non-technical maritime environments and demonstrate ethical, responsible, and professional conduct consistent with international maritime standards.

PEO5: pursue continuous professional development, adapt to emerging technologies, and contribute responsibly to the maritime industry and global society through innovation, ethical practice, and citizenship.

Program Learning Outcomes

PLO1: Demonstrate advanced theoretical knowledge and a deep understanding of current practices in marine engineering technology (UAE NQF 2024: K1, K2)

PLO2: Evaluate knowledge from various sources in marine engineering technology and apply appropriate research methods to investigate complex issues within a

broader context (UAE NQF 2024: K3, S1, S4)

PLO3: Analyse diverse and complex marine engineering technology problems by applying relevant principles of engineering, science, and mathematics (UAE NQF 2024: K2, K3, S2, S3)

PLO4: Conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions in marine engineering issues (UAE NQF 2024: K2, K3, S1, S2)

PLO5: Demonstrate the ability to function effectively as a member as well as a leader on technical teams (UAE NQF 2024: R2, R3, R4)

PLO6: Apply written, oral, and graphical communication in technical and non-technical maritime environments (UAE NQF 2024: S2, R1, R4)

PLO7: Demonstrate an understanding of the importance of continuous professional development through self-directed learning while upholding ethical and professional standards and demonstrating responsible citizenship in the marine engineering field (UAE NQF 2024: R2, R3, R4)

PLO8: Design systems, components, or processes tailored to meet specific requirements for broadly defined marine engineering problems (UAE NQF 2024: S2, S3, S4, R1, R2, R3)

Completion Requirements

Students seeking the Bachelor of Marine Engineering Technology must successfully complete the following requirements:

- Minimum of 128 credits, distributed as follows:
  - 36 credit hours as General Education requirements
  - 86 credit hours as program requirements
  - 6 credit hours as work integrated learning
- Minimum cumulative GPA of 2.00
- Minimum duration of study is 4 years; maximum duration of study is 8 years

General Education Requirement

Students are required to register for 36 mandatory General Education credits as shown in the table below.

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
GED 111	Emirati Studies	None	3
GED 103	General English	None	3
GED 109	Study Skills	None	3
GED 202	Islamic Studies	None	3

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
GED 1305	Technical Writing and Communication	GED 103	3
GED 101	Physics I	None	3
GED 224	Calculus I	None	3
GED 201	Physics II	GED 101	3
GED 234	Calculus II	GED 224	3
GED 330	Maritime Cyber Risk Management	None	3
GED 4108	Innovation & Entrepreneurship	None	3
GED 100	Research Methods	None	3

Program Requirements

Students are required to complete 86 credit hours of mandatory program courses, as shown in the table below.

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
MET 111	Marine Engineering Drawings	None	2
SL 111	Seafaring and Leadership I	None	0
P 101	Physical Education I	None	0
MET 233	Introduction to Marine Engineering Systems	None	3
MET 171	Introduction to Programming & AI Machine Learning	None	3
SL 122	Seafaring and Leadership II	SL111	0
P 102	Physical Education II	P 101	0
MET 136	Marine Engineering Practice I	MET233	2
MET 231	Introduction to Ship Stability & Construction	GED 102	2
MT 292	Introduction to Maritime Law	None	2
SL 133	Seafaring and Leadership III	SL122	0
P 203	Physical Education III	P 102	0
MET 141	Thermodynamics I	None	3
MET 113	Manufacturing Technology	None	3
MET 112	Engineering Mechanics: Statics & Dynamics	GED 101	3
MET 161	Chemistry and Alternative Fuels	None	3
MET 325	Marine Auxiliary Machinery	MET 436	3
MET 221	Electrical Engineering	None	3
MET 216	Material Science and Mechanics of Materials	MET 113	3
MET 321	Fluid Mechanics for Marine Engineers	MET 112	3
MET 324	Marine Propulsion System	MET 436	3
MET 222	Instrumentation & Measurements	GED 201	3
MET 322	Thermodynamics II	MET 141	3
MET 332	Advanced Ship Stability & Construction	MET 231	3
MET 338	Marine Engineering Practice II	MET 136	3

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
MET 214	Computer-Aided Design (CAD) for Marine Engineers	MET 111	3
MET 424	Electrical Power Generation and Associated systems	MET 221	3
MET 334	Ship Repair Technology and Management	None	3
MET 410	Contemporary Maritime Practices	None	3
MET 432	Marine Environment Sustainability	MT 292	3
MET 425	Automation and Control for Marine Systems	MET 221	3
MET 447	Marine Refrigeration & Air Conditioning	MET 241	3
MET 484	Capstone Design Project I	None	3
MET 243	Engine Room Watchkeeping and Resource Management	MET 344	3
MET 431	Engineering Ethics, Risk and Safety	None	3
MET 485	Capstone Design Project II	MET 484	3

Work Integrated Learning

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
S 300	Maritime Placement	SL133 + 2.0 GPA + 28 CH	6

Marine Engineering Technology Study Plan

Year 1 / Term 1			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 111	Emirati Studies	None	3
GED 103	General English	None	3
GED 109	Study Skills	None	3
MET 111	Marine Engineering Drawing	None	2
SL 111	Seafaring and Leadership I	None	0
P 101	Physical Education I	None	0
Year 1/ Term 2			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 202	Islamic Studies	None	3
MET 233	Introduction to Marine Engineering Systems	None	3
MET 171	Introduction to Programming & AI Machine Learning	None	3
SL 122	Seafaring and Leadership II	SL 111	0
P 102	Physical Education II	P 101	0
Year 1/ Term 3			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 1305	Technical Writing and Communication	GED103	3
MET 136	Marine Engineering Practice I	MET233	2
MET 231	Introduction to Ship Stability & Construction	GED 102	2
MT 292	Introduction to Maritime Law	None	2
SL 133	Seafaring and Leadership III	SL 122	0
P 203	Physical Education III	P 102	0
Year 2/ Term 4			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
S 300	Maritime Placement	SL133 + 2.0 GPA + 28 CH	6
Year 2/ Term 5			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 101	Physics I	None	3
GED 224	Calculus I	None	3
MET 141	Thermodynamics I	None	3
MET 113	Manufacturing Technology	None	3
Year 2/ Term 6			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 201	Physics II	GED 101	3
GED 234	Calculus II	GED 224	3
MET 112	Engineering Mechanics: Statics & Dynamics	GED 101	3

MET 161	Chemistry and Alternative Fuels	None	3
Year 3/ Term 7			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
MET 325	Marine Auxiliary Machinery	MET 436	3
MET 221	Electrical Engineering	None	3
MET 216	Material Science and Mechanics of Materials	MET 113	3
MET 321	Fluid Mechanics for Marine Engineers	MET 112	3
Year 3/ Term 8			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 330	Maritime Cyber Risk Management	None	3
MET 324	Marine Propulsion System	MET 436	3
MET 222	Instrumentation & Measurements	GED 201	3
MET 322	Thermodynamics II	MET 141	3
Year 3/ Term 9			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED4108	Innovation & Entrepreneurship	None	3
MET 332	Advanced Ship Stability & Construction	MET 231	3
MET 338	Marine Engineering Practice II	MET 136	3
MET 214	Computer-Aided Design (CAD) for Marine Engineers	MET 111	3
Year 4/ Term 10			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 100	Research Methods	None	3
MET 424	Electrical Power Generation and Associated systems	MET 221	3
MET 334	Ship Repair Technology and Management	None	3
MET 410	Contemporary Maritime Practices	None	3
Year 4/ Term 11			
MET 432	Marine Environment Sustainability	MT 292	3
MET 425	Automation and Control for Marine Systems	MET 221	3
MET 447	Marine Refrigeration & Air Conditioning	MET 241	3
MET 484	Capstone Design Project I	None	3
Year 4/ Term 12			
MET 243	Engine Room Watchkeeping and Resource Management	MET 344	3
MET 431	Engineering Ethics, Risk and Safety	None	3
MET 485	Capstone Design Project II	MET 484	3

College of International Transport and Logistics

The College of International Transport and Logistics (CITL) is one of the few higher educational institutions in the Middle East and North African regions to offer a bachelor's degree in Maritime Supply Chain and Logistics Management.

Department of Maritime Logistics and Supply Chain Management

List of Programs Offered

Bachelor of Maritime Logistics and Supply Chain Management (MLSCM)

Maritime logistics and supply chain management is a promising area of study with high demand for its graduates in the UAE and the Middle East. The program aims to provide students with a comprehensive understanding of the maritime logistics and supply chain management industry, preparing them to meet the needs of various industrial and service sectors in a highly competitive commercial environment.

Through this program, students will study key supply chain activities and functions, including procurement management, production management, warehousing management, distribution management, and customer relationship management, with a focus on the maritime sector. Students will also learn about risk management, sustainability, and emerging technologies in the field.

Graduates of this program will be equipped to pursue a variety of career opportunities in industries such as shipping and maritime transportation, oil and gas, international trade, and logistics and supply chain management.

Program Aim

Students enrolled in the Bachelor of Maritime Logistics and Supply Chain Management (MLSCM) program will acquire knowledge, skills, and competencies across key areas of logistics and international supply chain management, positioning them to contribute to the development of this key field after graduation.

Program Educational Objectives

Within a few years of graduation, successful Maritime Logistics & Supply Chain graduates will:

PEO1: demonstrate mastery of contemporary business practices and specialized knowledge in maritime logistics and supply chain management, applying theory and practice to drive operational excellence

PEO2: integrate research methods, data analysis, and interdisciplinary approaches to evaluate complex logistics issues and generate innovative, evidence-based solutions

PEO3: assume effective roles as team members and leaders in diverse organizational

environments, demonstrating collaborative skills that foster organizational growth and success

PEO4: communicate complex logistics and supply chain issues effectively to diverse stakeholders and uphold ethical, legal, and professional standards in business decision-making

PEO5: commit to continuous professional growth, adapt to evolving technologies and business practices, and contribute responsibly to sustainable and socially responsible supply chain operations worldwide

Program Learning Outcomes (PLOs)

PLO1: Demonstrate thorough understanding of contemporary business practices in maritime logistics and supply chain management and knowledge of related areas within the broader industry context (UAE NQF 2024: K1, K2)

PLO2: Demonstrate proficiency in research methods and the application of new concepts and interdisciplinary approaches to solve complex maritime logistics & supply chain issues within a broader business context (UAE NQF 2024: K3)

PLO3: Investigate and solve complex problems in maritime logistics & supply chain management and communicate findings to diverse audiences in professional or academic settings (UAE NQF 2024: K2, S1, S4)

PLO4: Analyze specialized maritime logistics & supply chain management problems in both familiar and new situations and develop innovative business solutions (UAE NQF 2024: K3, S3)

PLO5: Demonstrate the ability to work effectively in different team roles and contribute to successful outcomes in professional or academic settings (UAE NQF 2024: R1, R3)

PLO6: Communicate effectively on complex issues related to maritime logistics & supply chain management in professional or academic settings (UAE NQF 2024: K1, S2, R4)

PLO7: Make well-reasoned decisions in situations relevant to the field of study, taking into account applicable legal and ethical standards in line with professional obligations (UAE NQF 2024: R2)

Completion Requirement

Students seeking the bachelor of Maritime Logistics and Supply Chain Management must successfully complete the following requirements:

- A minimum of 120 credit hours distributed as follows:
  - 24 credit hours as General Education requirements
  - 90 credit hours as program requirements
  - 6 credit hours as internship

- Minimum cumulative GPA of 2.00
- Minimum duration of study is 4 years; maximum duration is 8 years

General Education Requirement

Students are required to register for 27 mandatory General Education credits as shown in the table below.

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
GED 102	General Mathematics	None	3
GED 103	General English	None	3
GED 109	Study Skills	None	3
GED 105	General Maritime English 2	GED 103	3
GED 202	Islamic Studies	None	3
GED 111	Emirati Studies	None	3
GED 330	Maritime Cyber Risk Management	None	3
GED 4108	Innovation & Entrepreneurship	None	3
GED 100	Research Methods	None	3

Mandatory Courses

Students are required to complete 90 mandatory credits as shown in the table below.

Course Code	Course Title	Pre-Requisite/ Co-Requisite (Course Code only)	Credit
GED103	General English	None	3
GED102	General Mathematics	None	3
GED109	Study Skills	None	3
BML121	Basics of Maritime Logistics Operations	None	3
BML122	International Trade	None	3
BML123	Maritime Transport Operations	None	3
BML131	Principles of Management	None	3
BML132	Financial Accounting	None	3
BML133	Maritime Economics	None	3
GED105	General Maritime English II	GED103	3
BML211	Global Logistics	None	3
BML212	Maritime Logistics Operations Management	None	3
BML213	E Commerce & Digital Technology	None	3
BML221	Maritime Supply Chain Management	None	3
BML222	Managerial Accounting	BML 132	3
GED202	Islamic Studies	None	3
BML231	Project Management	None	3
GED111	Emirati Studies	None	3
BML232	Statistics and Data Analytics	None	3
BML233	Procurement Management	None	3
BML311	Port & Terminal Operations Management	None	3
BML312	Introduction to Business Law	None	3
BML313	Reverse Logistics	BML212	3

Course Code	Course Title	Pre-Requisite/ Co-Requisite (Course Code only)	Credit
BML314	Human Resource Management	None	3
BML321	International Maritime Law	BML 312	3
GED330	Maritime Cyber Risk Management		3
BML322	Contemporary Issues in Supply Chain Management	None	3
BML323	Integrating Environment, Social and Governance in Maritime Logistics	None	3
BML411	Maritime Supply Chain Modelling	BML313	3
GED 4108	Innovation & Entrepreneurship	None	3
BML412	Economics of International Trade	BML133	3
BML413	AI, Digital Transformation & Supply Chain Analytics	BML321	3
GED 100	Research Methods	None	3
BML421	Lean Supply Chain Management	BML322	3
BML422	Business Ethics	None	3
BML431	Sustainable Supply Chain Management	BML 323	3
BML432	Strategy & Change Management	None	3
BML433	Graduation Project	None	3

Work Integrated Learning

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
BML331	Internship	80 Credits	6

Maritime Logistics & Supply Chain Management Study Plan

Year 1 / Trimester 1			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
GED103	General English	None	3
GED102	General Mathematics	None	3
GED109	Study Skills	None	3
Year 1/ Trimester 2			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML121	Basics of Maritime Logistics Operations	None	3
BML122	International Trade	None	3
BML123	Maritime Transport Operations	None	3
Year 1/ Trimester 3			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML131	Principles of Management	None	3
BML132	Financial Accounting	None	3
BML133	Maritime Economics	None	3
GED105	General Maritime English II	GED103	3
Year 2/ Trimester 4			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML211	Global Logistics	None	3
BML212	Maritime Logistics Operations Management	None	3
BML213	E Commerce & Digital Technology	None	3
Year 2/ Trimester 5			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML221	Maritime Supply Chain Management	None	3
BML222	Managerial Accounting	BML 132	3
GED202	Islamic Studies	None	3
Year 2/ Trimester 6			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML231	Project Management	None	3
GED111	Emirati Studies	None	3
BML232	Statistics and Data Analytics	None	3
BML233	Procurement Management	None	3

Year 3/ Trimester 7			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML311	Port & Terminal Operations Management	None	3
BML312	Introduction to Business Law	None	3
BML313	Reverse Logistics	BML212	3
BML314	Human Resource Management	None	3
Year 3/ Trimester 8			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML321	International Maritime Law	BML 312	3
GED330	Maritime Cyber Risk Management	None	3
BML322	Contemporary Issues in Supply Chain Management	None	3
BML323	Integrating Environment, Social and Governance in Maritime Logistics	None	3
Year 3/ Trimester 9			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML331	Internship	80 Credits	6
Year 4/ Trimester 10			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite (Course Code only)**	**Credit**
BML411	Maritime Supply Chain Modelling	BML313	3
GED4108	Innovation & Entrepreneurship	None	3
BML412	Economics of International Trade	BML133	3
BML413	AI, Digital Transformation & Supply Chain Analytics	BML321	3
Year 4/ Trimester 11			
GED 100	Research Methods	None	3
BML421	Lean Supply Chain Management	BML322	3
BML422	Business Ethics	None	3
Year 4/ Trimester 12			
BML431	Sustainable Supply Chain Management	BML 323	3
BML432	Strategy & Change Management	None	3
BML433	Graduation Project	None	3

Department of Maritime Business

List of Programs Offered

Bachelor of Maritime Business

The Bachelor in Maritime Business program offers students an exceptional opportunity to launch careers in one of the world's most dynamic and globally connected industries. This comprehensive 4-year program, which is designed in conjunction with senior professionals from the maritime industry, uniquely combines essential business management skills with specialized maritime expertise, preparing graduates to excel in international shipping, port operations, logistics, ship finance, insurance, and maritime trade law and management.

Students benefit from addressing real-world and live challenges in the field of maritime business while gaining hands-on experience of ship operations using the world-class simulation facilities including full-mission navigational bridge simulators and cutting-edge mixed reality vessel handling.

With a curriculum covering everything from maritime law and cyber risk management to sustainable business practices and digital transformation, graduates will emerge as well-rounded professionals ready to tackle contemporary challenges in the maritime business sector. The program's emphasis on leadership development, ethical decision-making, and international communication ensures students are equipped not just with technical knowledge, but with the strategic thinking and cultural awareness needed to advance to management positions in this truly global industry. Upon completion, graduates are positioned to make immediate, effective contributions to leading maritime organizations worldwide.

Program Aim

Students enrolled in the Bachelor of Maritime Business program will acquire knowledge, understanding, and competencies in the field of maritime business and related areas, positioning them to become leaders in the field.

Program Educational Objectives

Within a few years of graduation, successful Maritime Business graduates will:

PEO1: demonstrate comprehensive knowledge of maritime transport, business, and management practices in the global shipping context, applying industry-relevant skills to achieve organizational success

PEO2: employ research methods, interdisciplinary perspectives, and critical thinking to evaluate complex maritime business and management challenges, producing innovative and evidence-based solutions

PEO3: assume leadership roles and collaborate effectively in diverse, multicultural, and interdisciplinary teams to achieve strategic objectives in maritime business environments

PEO4: communicate maritime business concepts and solutions effectively to diverse international audiences and demonstrate professional responsibility in line with industry and legal standards

PEO5: integrate ethical reasoning, legal awareness, and sustainability principles into business decision-making, contributing responsibly to the long-term success of the global maritime industry

Program Learning Outcomes (PLOs)

PLO1: Demonstrate deep understanding of maritime transport, business and management practices in the international shipping context (UAE NQF 2024 L6: K1, K2)

PLO2: Demonstrate proficiency in research methods and the application of new concepts and interdisciplinary approaches to maritime transport, business and management (UAE NQF2024 L6: K2, K3)

PLO3: Analyze diverse maritime business & management problems in simulated and work-based scenarios to identify potential solutions (UAE NQF 2024 L6: K3, S1, S2)

PLO4: Apply technical and procedural skills to develop innovative solutions for contemporary maritime business and management problems (UAE NQF 2024 L6: S1, S3, S4)

PLO5: Demonstrate leadership skills in different team roles and contribute to successful outcomes in professional or technical projects (UAE NQF 2024 L6: R2, R3, R4)

PLO6: Communicate effectively on maritime business and management issues in an international maritime environment (UAE NQF 2024 L6: S2, S4)

PLO7: Make ethical well-reasoned decisions in situations relevant to the field of study, taking into account sustainability, legal and ethical standards in line with professional obligations (UAE NQF 2024 L6: R2, R3, R4)

Completion Requirement

Maritime Business students must successfully complete the following requirements:

- A minimum of 120 credit hours distributed as follows:
  - 24 credit hours of General Education & technical skill requirements
  - 24 credit hours of business core courses in functional areas
  - 12 credit hours of specialization courses in maritime practice fundamentals
  - 36 credit hours of specialization courses in maritime business
  - 12 credit hours of elective courses
  - 12 credit hours of practical experience & projects

- Minimum cumulative GPA of 2.00
- Minimum duration of study is 4 years; maximum duration is 8 years

General Education Requirement

Students are required to register for mandatory General Education credits as shown in the table below.

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
GED 103	General English	None	3
GED 111	Emirati Studies	None	3
GED 109	Study Skills	None	3
GED 1305	Technical writing & communication	GED 103	3
GED 202	Islamic Studies	None	3
GED 330	Maritime Cyber Risk Management	None	3
GED 4108	Innovation & Entrepreneurship	None	3
GED 100	Research Methods	None	3

Mandatory Courses

Students are required to complete 96 mandatory credits as shown in the table below.

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
GED 103	General English	None	3
GED 109	Study Skills	None	3
GED 111	Emirati Studies	None	3
T 1221	Introduction to Ship & Cargo Knowledge	None	2
T 1331	Introduction to Bridge watchkeeping and marine communication	None	2
T 1211	Introduction to Navigation & Chart Work	None	2
T 1210	Introduction to Digital Navigation	None	2
GED 202	Islamic Studies	None	3
MET 231	Introduction to ship stability & construction	GED 102	2
T 1311	Ship Emergency Procedures	None	2
MT 292	Introduction to Maritime Law	None	2
GED 1305	Technical writing & communication	GED103	3
BML 211	Global Logistics	None	3
BML 132	Financial Accounting	None	3
BML 213	E Commerce & Digital Technology	None	3
BMB 221	Marine Organizations	None	3
BML 123 **BML 231**	***ELECTIVE 1 (select 1)*** i) Maritime Transport Operations ii) Project Management	 None None	 3 3
BML 222	Managerial Accounting	BML 132	3
BMB 231 **BML 233**	***ELECTIVE 2 (select 1)*** i) Marketing ii) Procurement Management	 None None	 3 3
BML 131	Principles of Management	None	3
BML 232	Statistics and data analytics	None	3

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
BML 133	Maritime Economics	None	3
BML 311	Port & Terminal Management	None	3
BML 312	Introduction to Business Law	None	3
BMB 322	Commercial Ship Management	None	3
BML 314	Human Resource Management	None	3
BML 321	International Maritime Law	BML 312	3
GED 330	Maritime Cyber Risk Management	None	3
BMB 323	Integrating Environment, Social, and Governance in Maritime Business	None	3
BMB 324	Introduction to Chartering	None	3
BMB 430	Chartering Practice	BMB 324	3
BMB 413	AI & Digital Business	None	3
BML 412	Economics of International Trade	BML133	3
GED 4108	Innovation & Entrepreneurship	None	3
GED 100	Research Methods	None	3
	ELECTIVE 3 (select 1)		
BMB 422	i) Shipping Finance	BML 133	3
BMB 423	ii) International Business Relations	BML 133	3
BMB 421	Marine Insurance & Risk	BML 321	3
	ELECTIVE 4 (select 1)		
BML 432	i) Strategy & Change Management	BML 131	3
BMB 426	ii) Leadership & Management	BML 131	3

Work Integrated Learning

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
BMB 331	Internship I (Work Placement)	80 Credits	6
BMB 431	Internship II (with industry-based, career-aligned final project)	BMB 331	6

Maritime Business Study Plan

Year 1 / Trimester 1			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 103	General English	None	3
GED 109	Study Skills	None	3
GED 111	Emirati Studies	None	3
T 1221	Introduction to Ship & Cargo Knowledge	None	2
Year 1/ Trimester 2			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
T 1331	Introduction to Bridge watchkeeping and marine communication	None	2
T 1211	Introduction to Navigation & Chart Work	None	2
T 1210	Introduction to Digital Navigation	None	2
GED 202	Islamic Studies	None	3
Year 1/ Trimester 3			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
MET 231	Introduction to ship stability & construction	GED 102	2
T 1311	Ship Emergency Procedures	None	2
MT 292	Introduction to Maritime Law	None	2
GED 1305	Technical writing & communication	GED103	3
Year 2/ Trimester 4			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
BML 211	Global Logistics	None	3
BML 132	Financial Accounting	None	3
BML 213	E Commerce & Digital Technology	None	3
Year 2/ Trimester 5			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
BMB 221	Marine Organizations	None	3
BML 123 BML 231	***ELECTIVE 1 (select 1)*** i) Maritime Transport Operations ii) Project Management	 None None	 3 3
BML 222	Managerial Accounting	BML 132	3
Year 2/ Trimester 6			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
BMB 231 BML 233	***ELECTIVE 2 (select 1)*** i) Marketing ii) Procurement Management	 None None	 3 3
BML 131	Principles of Management	None	3
BML 232	Statistics and data analytics	None	3
BML 133	Maritime Economics	None	3

Year 3/ Trimester 7			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
BML 311	Port & Terminal Management	None	3
BML 312	Introduction to Business Law	None	3
BMB 322	Commercial Ship Management	None	3
BML 314	Human Resource Management	None	3
Year 3/ Trimester 8			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
BML 321	International Maritime Law	BML 312	3
GED 330	Maritime Cyber Risk Management	None	3
BMB 323	Integrating Environment, Social, and Governance in Maritime Business	None	3
BMB 324	Introduction to Chartering	None	3
Year 3/ Trimester 9			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
BMB 331	Internship I (Work Placement)	80 Credits	6
Year 4/ Trimester 10			
Course Code	**Course Title**		**Credit**
BMB 430	Chartering Practice	BMB 324	3
BMB 413	AI & Digital Business	None	3
BML 412	Economics of International Trade	BML 133	3
GED 4108	Innovation & Entrepreneurship	None	3
Year 4/ Trimester 11			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
GED 100	Research Methods	None	3
 BMB 422 BMB 423	***ELECTIVE 3 (select 1)*** i) Shipping Finance ii) International Business Relations	 BML 133 BML 133	 3 3
BMB 421	Marine Insurance & Risk	BML 321	3
 BML 432 BMB 426	***ELECTIVE 4 (select 1)*** i) Strategy & Change Management ii) Leadership & Management	 BML 131 BML 131	 3 3
Year 4/ Trimester 12			
Course Code	**Course Title**	**Pre-Requisite/ Co-Requisite**	**Credit**
BMB 431	Internship II (with industry-based, career-aligned final project)	BMB 331	6

Department of Vocational Education

List of Programs Offered

Level 4 Diploma in Marine Technical Operations

The Level 4 Diploma in Marine Technical Operations (MTO) covers a wide range of topics related to technical operations in the marine sector near coastal / port. Topics covered include marine engineering and navigation; as well, students learn about marine equipment and machinery, in addition to safety protocols and regulatory compliance, hence supporting a variety of different aspects of the maritime industry. Graduates will be able to work in shipyards, workshops, ship hull and machinery maintenance and repairs, ports, and onboard as skippers/officers near coastal / inland waters.

Program Learning Outcomes (PLOs)

PLO1: Identify main maritime conventions to support safe working environment during engine maintenance.

PLO2: Demonstrate the ability to perform basic engineering drawing skills.

PLO3: Verify effective cargo handling & stowage practice to maintain seaworthiness of the ship.

PLO4: Operate basic machining skills such as welding milling and metal cutting etc.

PLO5: Demonstrate the ability to conduct marine diesel engine repairs, maintenance, and lifesaving appliances safety and maintenance inspection under SOLAS convention 74.

PLO6: Analyze the conditions to maintain an efficient coastal passage plan according to STCW section A-II/3 and to operate navigation equipment to safely handle a small ship.

PLO7: Show responsibility to coordinate & communicate with teamwork during marine operations.

Completion Requirement

Maritime Business students must successfully complete all courses for a total of 90 credits.

Mandatory Courses

Students are required to complete 90 mandatory credits as shown in the table below.

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
TRA5001	Applied Mathematics for Marine Technical Operations	None	3
TRA5002	Applied Physics for Marine Technical Operations	None	3
TRA5007	Conventions and Codes for Marine Technical Operations	None	2
TRA5025	Shipboard Knowledge for Marine Technical Operations	None	3
TRA5009	Emergency Response for Marine Technical Operations	None	2

Course Code	Course Title	Pre-Requisite/ Co-Requisite	Credit
TRA5022	Ship Construction for Marine Technical Operations	TRA5010	2
TRA5021	Ship Compasses and Steering Controls for Marine Technical Operations	None	3
TRA5023	Ship Repairs for Marine Technical Operations	None	3
TRA5031	Welding and Lathe Training	TRA5023	3
TRA5010	Engineering Drawing for Marine Technical Operations	None	4
TRA5013	Maintenance Planning for Marine Technical Operations	None	4
TRA5019	Practical Navigation for Marine Technical Operations Part 1	None	3
TRA5020	Practical Navigation for Marine Technical Operations Part 2	TRA5019	3
TRA5015	Marine Engineering for Marine Technical Operations Part 1	None	3
TRA5016	Marine Engineering for Marine Technical Operations Part 2	TRA5015	3
TRA5006	Cargo Handling Operations for Marine Technical Operations	TRA5024	3
TRA5011	Machining Processes and Maintenance for Marine Technical Operations Part 1	TRA5031	3
TRA5012	Machining Processes and Maintenance for Marine Technical Operations Part 2	TRA5011	3
TRA5007	Voyage Plan Sailing for Marine Technical Operations	TRA5020	3
TRA5030	Weather Forecast Synopsis for Marine Technical Operations	None	3
TRA5024	Ship Seaworthiness for Marine Technical Operations	None	3
TRA5003	Boat Handling for Marine Technical Operations	None	2
TRA5014	Marine Electronic Instruments for Marine Technical Operations	None	2
TRA5008	Detection and Ranging for Marine Technical Operations	None	3
TRA5017	Practical Marine Engineering for Marine Technical Operations 1	TRA5016	3
TRA5018	Practical Marine Engineering for Marine Technical Operations 2	TRA5017	2
TRA5004	Bridge Watchkeeping and Maritime Communications for Marine Technical Operations Part 1	None	3
TRA5005	Bridge Watchkeeping and Maritime Communications for Marine Technical Operations Part 2	TRA5004	3
TRA5026	Shipboard Technical Operations Part 1	80 Credit Hours	3
TRA5027	Shipboard Technical Operations Part 2	TRA5026	3
TRA5028	Shipboard Technical Operations Part 3	TRA5027	4

Course Descriptions

College of Maritime Transport & Technology

Marine Engineering Technology Department

MET 111
Marine Engineering Drawings
Total Credit Hours: 2
This course provides a comprehensive introduction to the principles of marine engineering drawing, focusing on areas such as geometric construction, orthographic projection, dimensioning, sectioning and isometric projection. The curriculum integrates traditional drawing techniques with the use of Computer-Aided Design (CAD) software, equipping students with the tools necessary for modern marine engineering practices. Through a combination of theoretical lectures and extensive practical applications, participants will enhance their technical drawing abilities essential for the marine industry.

MET 112
Engineering Mechanics: Statics and Dynamics
Total Credit Hours: 3
This course provides a condensed yet comprehensive study of fundamental principles in statics and dynamics, focusing on the behavior of particles and rigid bodies under static and dynamic conditions. Through a combination of lectures, problem-solving sessions, and analytical exercises, students will gain the core theoretical and practical tools to assess force systems, motion, and mechanical responses in marine engineering systems/components. By the end of the course, students will be able to analyze equilibrium, motion, and force interactions in mechanical components such as beams, trusses, rotating machinery, and vibrating systems. The course covers essential topics including free-body diagrams, truss analysis, friction, particle motion, Newton's laws, and planar kinematics and kinetics of rigid bodies. These competencies are crucial for addressing real-world marine engineering problems related to ship structure, equipment stability, propulsion mechanics, and vibration response. This course equips future marine engineers with a solid mechanical foundation necessary for interpreting and managing shipboard systems, preparing them for practical responsibilities and advanced technical training as Third Marine Engineers.

MET 113
Manufacturing Technology
Total Credit Hours: 3
This course provides a comprehensive introduction to manufacturing processes and hands-on workshop practices, focusing on principles, techniques, and tools commonly used in the marine engineering industry. Through a combination of theoretical lectures and hands-on workshop sessions, students will gain essential knowledge and skills in machining, fabrication, welding, casting, forming, and additive manufacturing. By the end of the course, students will be able to apply safety protocols, operate workshop equipment proficiently, and select appropriate manufacturing methods to produce high-quality components for marine engineering applications.

MET 161
Chemistry and Alternative Fuels
Total Credit Hours: 3
This course provides an in-depth exploration of fundamental and applied chemical principles, focusing on their role in sustainable fuel production and combustion in the maritime sector. Through a combination of lectures on key topics such as chemical reactions, electrochemistry, corrosion science, conventional fuels, and sustainable chemistry, alongside hands-on laboratory experiments in water analysis and electrochemical processes, students will gain the ability to understand, apply, and illustrate essential chemical concepts relevant to sustainable energy solutions. By the end of the course, students will be able to explain chemical reactions and energy changes, demonstrate laboratory techniques for chemical and water quality analysis, examine corrosion mechanisms and protection strategies, evaluate the environmental impacts of fuel use, and review sustainable chemical practices. This course equips students with the theoretical knowledge and practical skills necessary to contribute to advancements in sustainable chemistry and environmental protection initiatives within the maritime sector.

MET 171
Introduction to Programming & AI Machine Learning
Total Credit Hours: 3
This course introduces engineering students to the fundamentals of programming and the basic principles of artificial intelligence and machine learning. It emphasizes computational thinking, algorithm development, control structures, functions, arrays, matrices, and data visualization using MATLAB. Students will also be introduced to AI concepts such as data-driven decision-making and simple machine learning models. Through a combination of lectures, hands-on exercises, and problem-solving sessions, students will learn core programming syntax, data types, logical operations, modular code development, and techniques for analyzing and visualizing data. By the end of the course, students will be able to design and implement algorithms, apply MATLAB functions effectively, and solve basic computational and AI-related problems relevant to engineering applications. This course lays the groundwork for further study in both engineering programming and intelligent systems.

MET 214
Computer-Aided Design (CAD) for Marine Engineers
Total Credit Hours: 3
This course provides marine engineering students with practical skills in Computer-Aided Design (CAD) using industry-standard software. Students will begin with 2D drafting in AutoCAD, learning to create detailed assembly drawings of key marine engineering components such as valves, crossheads and bearings. The course then progresses to 3D modelling using SolidWorks, where students will model individual machinery components and assemble them into complete 3D systems using proper constraints. Emphasis will be placed on generating both general and exploded assembly drawings. The course culminates with an individual design project, where students will be tasked with designing and modelling a pipe fitting assembly in accordance with international standards.

MET 216
Material Science and Mechanics of Materials
Total Credit Hours: 3
This course provides a comprehensive understanding of material science and the mechanics of materials, focusing on their applications in marine structures and environments. Through a combination of theoretical instruction and problem-solving exercises, students will gain the ability to classify engineering materials, analyze mechanical behavior under marine conditions, and evaluate degradation mechanisms. By the end of the course, students will be able to apply stress analysis methods, assess failure modes, and propose design improvements for marine components.

MET 221
Electrical Engineering
Total Credit Hours: 3
This course provides an introduction to the fundamental principles and concepts of electrical engineering. It covers essential topics such as circuit analysis, electrical laws (Ohm's and Kirchhoff's laws), and the behavior of passive components like resistors, capacitors, and inductors. It provides knowledge about alternative (AC) and direct (DC) circuit analysis, and network theorems along with the basic concepts. Finally, it gives an overview of the three phase circuits.

MET 222
Instrumentation and Measurements
Total Credit Hours: 3
This course provides a comprehensive introduction to the principles, methods, and applications of instrumentation and measurements in engineering. It covers the operation and characteristics of various sensors and transducers used to measure physical quantities such as temperature, pressure, flow, displacement, and electrical properties. Topics also include signal conditioning, data acquisition systems, error analysis, and calibration techniques to ensure accuracy and reliability. This course provides the instrumentation background needed to understand control systems and automation in Marine application.

MET 231
Introduction to Ship Stability & Construction
Total Credit Hours: 2
This course provides an introduction to ship stability and construction, focusing on basic ship terminology and essential concepts of ship stability. Through lectures on ship stability and construction, students will gain comprehensive knowledge of the ship and its structural components, the overall shipbuilding process, basic marine legislation, the role of Classification Societies and the ship's basic stability concepts such as buoyancy, centre of gravity, and metacentric height. By the end of the course, students will be able to use the proper names for the ship's various parts and understand the fundamental theory of stability. This course prepares students for advanced Ship Stability & construction and equips them with foundational knowledge essential for maritime placement on ships and maritime industry.

MET 233
Introduction to Marine Engineering Systems
Total Credit Hours: 3
This course provides a comprehensive introduction to marine engines and auxiliary systems essential for vessel operation and safety. It covers the classification and construction of internal combustion engines and supercharging. Students will also explore various types of pumps oil treatment methods, purifiers, and pollution prevention equipment. Emphasis is placed on both theoretical knowledge and practical skills to ensure a solid foundation in marine engine operations and environmental compliance.

MET 141
Thermodynamics I
Total Credit Hours: 3
This course introduces students to the foundational principles of classical thermodynamics, focusing on closed system analysis and energy interactions. Topics include the concepts of heat, work, internal energy, the First Law of Thermodynamics, ideal gases, pure substances, and the use of property tables and thermodynamic diagrams. Students will analyze non-flow and steady-flow processes, explore basic thermodynamic cycles, and develop essential problem-solving skills. The course emphasizes rigorous application of engineering science to prepare students for more advanced topics in open systems, entropy, and thermodynamic cycles in Thermodynamics II.

MET 322
Thermodynamics II
Total Credit Hours: 3
This course offers an in-depth exploration of thermodynamics, emphasizing its application in marine engineering systems. Core topics include thermodynamic cycles, energy transformations, and the evaluation of marine propulsion and power systems. Students will explain the operating principles of gas and steam turbines, calculate power output, identify the design features of reciprocating air compressors, and analyze the performance of Otto, Diesel, and Dual air-standard cycles. Additional focus is placed on steam cycles, boiler systems, and steam turbines used in marine applications. Through lectures, problem-solving exercises, and application-based learning, students will develop the analytical and technical skills required for advanced marine engineering coursework and professional practice.

MET 243
Engine Room Watchkeeping and Resource Management
Total Credit Hours: 3
This course provides an in-depth understanding of the principles and practices essential for maintaining an engineering watch at sea and in port, aligned with STCW 1995 and 2010 amendments. Students will explore safety precautions, emergency response protocols, and contingency planning for incidents such as oil spills, blackouts, and machinery failures. Emphasis is placed on applying the Code of Safe Working Practices, including enclosed space entry, permit systems, and maintenance documentation, to ensure operational safety, compliance and engine room resource management. Through case studies and practical exercises, students will develop the skills to analyse, evaluate, and implement effective emergency response plans and routine watchkeeping practices in line with maritime industry standards.

S 300
Maritime Placement
Total Credit Hours: 6
This course is delivered through structured onboard training aligned with the STCW Convention and national maritime regulatory requirements. Throughout the placement, students are expected to complete designated sections of their Training Record Book (TRB) under the supervision and verification of the ship's Master. In addition to fulfilling TRB tasks, students will actively engage in practical onboard operational activities relevant to respective ship scenarios. Students will maintain a Reflective Journal, documenting their practical experiences, observations, and learning reflections to consolidate and enhance their understanding of shipboard tasks, work and routines in preparation for the relevant flag state administration oral examinations. Students are also required to collect data of shipboard equipment and systems relevant to their training, while maintaining routine communication with academic supervisors to report progress and seek guidance. Assessment in this course is based on a comprehensive review of the verified TRB, submission of Reflective Journal, and 30 – 45 minutes viva (Oral exam) that evaluates the student's technical understanding and practical learning. All submissions must be completed at least one week prior to the scheduled assessment date. By the end of the course, students will have developed essential attributes, including real-life maritime professionalism, problem-solving in practical contexts, self-reflection for continuous development and operational readiness for maritime certification. This course prepares students for the Certificate of Competency (CoC) oral examination.

MET 334
Ship Repair Technology and Management
Total Credit Hours: 3
This course provides an in-depth understanding of project management principles tailored to marine engineering applications, focusing on the planning and execution of ship repair projects. Through a combination of lectures, case studies, and hands-on project planning exercises, students will gain practical experience in applying project management tools such as scheduling, cost estimation, risk analysis, and performance control in a shipyard environment. By the end of the course, students will be able to interpret and apply core project management principles, develop and integrate project plans using standard techniques, analyze and manage risks, and evaluate project performance in ship repair scenarios. This course equips students with advanced project planning and execution skills essential for leadership roles in maritime engineering and shipyard operations.

MET 325
Marine Auxiliary Machinery
Total Credit Hours: 3
This advanced course facilitates a comprehensive understanding of critical marine engineering systems, emphasizing the construction, operation, and maintenance of essential ship components and equipment. Students understand the functionality of modern maritime technologies and apply safety protocols to real-world scenarios, enhancing their technical and operational knowledge. Through practical exercises and theoretical exploration, students will synthesize complex concepts and demonstrate proficiency in maintaining marine engineering systems.

MET 324
Marine Propulsion System
Total Credit Hours: 3
This course provides an advanced, structured study of marine diesel engines, with an emphasis on the construction, operation, and maintenance of medium-speed 4-stroke engines and their key components. Students will apply analytical skills to understand engine systems, including fuel, lubrication, and cooling, while learning to assess and troubleshoot critical elements like tappet clearance, fuel injection systems, and bearings. Through practical labs, students will gain hands-on experience with engine starting, stopping, and reversing mechanisms, as well as safety protocols for preventing crankcase and scavenge fires. By the course's end, students will synthesize knowledge of complex engine operations and demonstrate proficiency in applying safety and diagnostic measures.

MET 321
Fluid Mechanics for Marine Engineers
Total Credit Hours: 3
This course covers fundamental principles of fluid mechanics and heat transfer as they apply to marine engineering, including fluid properties, fluid statics, fluid dynamics, pressure measurement and heat transfer concepts. Emphasis is placed on understanding fluid and heat behavior in marine systems and solving practical engineering problems. By the end, students will be able to analyze and apply fluid mechanics and heat transfer concepts to marine engineering scenarios.

MET 332
Advanced Ship Stability and Construction
Total Credit Hours: 3
This course covers the principles of ship stability, focusing on essential movement of the center of gravity and the changes to the metacentric height. Students learn how these principles influence a vessel's stability, gaining insight into both transverse and longitudinal stability. The course covers the effects of weight movement, ballast, and free surface effect leading to the movement of the center of gravity and the change of the metacentric height, as well as methods for calculating stability under varying loading conditions.

MET 410
Contemporary Maritime Practices
Total Credit Hours: 3
This course provides students with a practical understanding of contemporary technologies and sustainable practices shaping the maritime industry. Focusing on real-world engineering challenges, it explores innovations in propulsion systems, automation, ship design, waste and energy management, and maintenance strategies. Through a combination of lectures, case studies, and collaborative projects, students will gain applied knowledge of modern marine systems, and the tools used to improve efficiency and sustainability at sea. By the end of the course, students will be able to interpret technological trends, analyze practical shipboard challenges, and evaluate the effectiveness of emerging maritime solutions. This course equips students with technical communication, analytical, and teamwork skills essential for contributing to evolving roles in marine engineering and ship operations.

MET 431
Engineering Ethics, Risk, and Safety
Total Credit Hours: 3
This course introduces the concepts and techniques of risk management as applied within the maritime sector. Students will explore fundamental principles of risk assessment and analysis, including processes such as hazard identification, quantitative risk assessment, and cost-effectiveness analysis. Additionally, the course covers relevant maritime regulations and guidelines, including the ISM Code and IMO FSA procedures. Ethical considerations in engineering decision-making are integrated throughout, emphasizing the professional responsibility to protect human life, the environment, and property. Participants will gain a deeper understanding of maritime hazards and develop the necessary skills to identify, assess, and manage risks while upholding ethical standards and adhering to regulatory requirements.

MET 424
Electrical Power Generation and Associated Systems
Total Credit Hours: 3
This course provides a description of different components of shipboard power systems. It introduces the principles and operations of shipboard electrical systems, including power generation, distribution, and safety protocols. Topics include alternating current (AC) power systems, transformers, electrical machines, switchboards, circuit protection, and emergency power requirements. Emphasis is placed on the challenges of maintaining power reliability, system redundancy, and energy efficiency in ship operations. In addition, hands-on labs experiment reinforces theoretical knowledge and practical understanding of electrical systems.

MET 425
Automation and Control for Marine Systems
Total Credit Hours: 3
This course explores automation and control systems concepts, emphasizing proportional-integral-derivative (PID) controllers and logic circuits. It emphasizes the control theory principles, feedback mechanisms, and the design and tuning of PID controllers. Additional topics include control system modelling, the role of combinational and sequential logic in automation, and the application of motor control centers (MCCs) and programmable logic controllers (PLCs) in developing and managing automated systems.

MET 136
Marine Engineering Practice I
Total Credit Hours: 3
This course introduces students to essential marine engineering systems with a focus on the construction and operation of boilers, air compressors, and safe bunkering practices. Topics include types and classifications of marine boilers, key mountings and safety fittings, and tubing systems. Students will apply mechanical techniques to perform emergency or temporary repairs using appropriate tools and gain hands-on experience in the disassembly and reassembly of marine diesel engine components. The course equips students with the practical skills and safety awareness required for effective operation and maintenance of marine machinery.

MET 447
Marine Refrigeration and Air Conditioning
Total Credit Hours: 3
This course covers marine refrigeration and air conditioning systems, focusing on thermodynamics, refrigeration cycles, and heat transfer. Students will study refrigerants, compressors, condensers, evaporators, and control mechanisms in marine applications. The course also includes ventilation system design, refrigerated cargo vessels, LNG carriers, and energy efficiency techniques. By the end, students will be able to analyse and solve refrigeration and air conditioning problems in marine systems.

MET 338
Marine Engineering Practice II
Total Credit Hours: 3
This course offers an in-depth study of marine diesel engines, with a focus on energy production, efficiency enhancement, and advanced technologies such as dual fuel and cam-less engines. Students will analyze approaches to reduce specific fuel consumption and improve thermal efficiency, gaining insight into advanced fuel injection systems, energy utilization, and pressure charging methods. Through practical applications, students will calculate engine power and perform heat balance analyses to understand energy flow within marine propulsion systems. By the end of the course, students will demonstrate proficiency in optimizing diesel engine performance and applying efficiency-improving technologies in maritime contexts.

MET 484
Capstone Design Project I
Total Credit Hours: 3
This course provides an in-depth introduction to the initial phase of the capstone project in the Marine Engineering Technology program, focusing on problem identification, literature review, and project proposal development. Through a combination of team collaboration, research activities, and project planning, students will develop skills in analytical thinking, research methodologies, and project management. By the end of the course, students will be able to identify and define complex marine engineering problems, develop detailed project proposals, demonstrate effective teamwork, and communicate project objectives and initial findings through structured reports and presentations. This course prepares students for the subsequent phase of the capstone project and equips them with essential tools for professional success in marine engineering.

MET 485
Capstone Design Project II
Total Credit Hours: 3
MET 485 Final Year Project II is the continuation and culmination of the capstone project in the Marine Engineering Technology program. Building upon the foundation established in MET 484, students implement their project plans through detailed design, experimentation, data collection, and analysis. The course emphasizes the application of engineering principles, problem-solving, and critical thinking. Students are required to submit a comprehensive final report and present their findings to a review committee comprising internal and external examiners.

Maritime Transport Department

T 1221
Introduction to Ship and Cargo Knowledge
Total Credit Hours: 2
The course covers theoretical knowledge of ship types, parts, and manning, preparing students for future practical cargo operations in alignment with STCW Table A-II/1 and IMO Model Course 3.12. Course contents include the essential knowledge of the main types, the main parts of the ship, and the ship's manning. In addition, this course will provide the learner with the knowledge to prepare the ship for loading, discharging, stowing, securing and caring for cargoes during voyage and the best practices to maintain a safe cargo operation.

T 1211
Introduction to Navigation and Chartwork
Total Credit Hours: 2
This course offers a comprehensive introduction to the principles of safe and effective marine chartwork and position plotting, students explore key topics, learn to identify key features on charts, such as depth contours, hazards, landmarks and navigational aids which are critical for position fixing and situational awareness at sea, also covering practical techniques for chart plotting, course correction, including chart reading, this course builds foundational skills for identifying and avoiding potential hazards, students practice plotting positions and courses, interpreting navigational data, this foundational course equips students with the skills and confidence needed for further studies and real-world maritime operations.

T 1331
Introduction to Bridge Watchkeeping and Marine Communication
Total Credit Hours: 3
This course will provide students with the fundamental knowledge to conduct and maintain a safe navigational watch and understand the main rules of COLREG to avoid close-quarter situations in all weather conditions. In addition, it explains the primary duties and responsibilities of the officer on watch in various situations. Moreover, the course introduces marine communication methods of visual signalling.

T 1210
Introduction to Digital Navigation
Total Credit Hours: 2
This course covers basic components and functions of shipboard navigation electronic systems. It addresses the STCW Table A-II/1 “Other Electronic Navigation Systems” requirements by teaching fundamental sensor principles (e.g. echo sounders, speed logs, compasses) and early-generation positioning aids like eLORAN. Topics include the nature and performance of basic sensors, the operation of echo-sounders and speed logs, and the role of the Voyage Data Recorder (VDR) in recording navigational data. The course emphasizes how these devices contribute to safe watchkeeping and bridge operations.

T 1311
Ship Emergency Procedures
Total Credit Hours: 2
This course provides students with essential knowledge and skills related to emergency procedures at sea. It covers structured response plans and coordinated actions designed to manage and mitigate maritime emergencies that pose immediate threats to life, vessel integrity, or the marine environment. Topics include contingency planning, emergency team responsibilities, response to collisions and groundings, rescue operations, and assistance to vessels in distress.

MT 292
Introduction to Maritime Law
Total Credit Hours: 2
This course provides students with a foundational introduction to the legal maritime framework that governs ship operations and activities on the world's oceans and navigable waters through an essential knowledge of the Law of the Sea Convention. Topics in this course also include the main international conventions governing maritime safety of ships, crews, and the protection of the marine environment from all types of pollution.

T 2212
Advanced Navigation and Chartwork
Total Credit Hours: 3
The course focuses on chart applications, emphasizing dead reckoning navigation and the various effects that influence a ship's voyage. It covers essential navigation skills, such as understanding and distinguishing between courses and tracks and counter act to wind and current effects.

T 2252
Advanced Maritime Law
Total Credit Hours: 3
This course provides students with an advanced legal maritime framework governing ship operations at sea, through major conventions issued by the IMO. These conventions regulate subjects related to safe operation and security on ships, as well as working conditions for the crew and the secure transportation of cargo.

T 2313
Electronic Chart and Passage Planning
Total Credit Hours: 3
This course covers the knowledge and skills necessary to plan a ship's passage and navigate using electronic chart display and information systems (ECDIS) and to create safe, efficient passage plans. The course covers essential aspects of ECDIS, including chart layers, route plotting, and alarm management. Students learn to plan and optimize routes by considering factors such as weather, traffic, and navigational hazards, using electronic tools to enhance situational awareness. Practical sessions in navigation simulators allow students to consolidate and apply concepts of safe navigation.

T 2222
Advanced Ship and Cargo Knowledge
Total Credit Hours: 3
The course covers advanced knowledge of ship construction, structural elements, and cargo terminal operations, with a focus on how design and layout influence loading, discharging, and stowage efficiency. It includes detailed study of hatch covers, bulkheads, double bottoms, ramps, and cargo handling systems on board and ashore. The course also introduces cargo terminal layouts and operational safety, preparing students to understand the interface between ship and port during cargo operations in accordance with STCW Table A-II/1 requirements.

T 2332
Advanced Bridge Watchkeeping and Marine Communication
Total Credit Hours: 3
This course will provide the students with the knowledge and ability to conduct a safe navigational watch, enhancing practical skills in bridge watchkeeping. Participants will gain expertise in the application of The International Regulations for Preventing Collisions at Sea "COLREGs) through simulator-based training, which reinforces best practices in voyage planning and collision avoidance under varied operational and environmental conditions. In addition, the course introduces marine methods of communication and signaling by the "INTERNATIONAL CODE OF SIGNALS" for transmitting and receiving messages in cases of casualties and medical emergencies.

T 3114
Ship Compasses
Total Credit Hours: 3
This course provides students with a comprehensive understanding of Earth's and Ship's magnetism, emphasizing the significance of the compass binnacle in maritime navigation. Through critical analysis students will explore the working principles of the fluxgate compass and its applications in modern navigation systems. Additionally, the course delves into the technical principles of the gyrocompass, examining their alignment with true north and the impact of earth's rotation on their functionality. By ensuring accuracy and reliability in shipboard navigation, this course equips students with the analytical and technical skills necessary for precise navigation and informed decision-making.

T 3115
Marine Radar and Automatic Plotting Aid
Total Credit Hours: 3
The course provides comprehensive training in marine radar operation and the use of Automatic Radar Plotting Aids (ARPA) for safe navigation and collision avoidance. It includes theoretical and practical training on radar systems, manual plotting techniques, ARPA functionality, and the integration of modern navigation aids such as AIS and ECDIS. The course aligns with the STCW 78 Convention as amended, IMO Model Course 1.07, and covers competencies outlined in Table A-II/1 and A-II/2 for Officers in Charge of a Navigational Watch (OOW).

T 3116
Advanced Digital Navigation Systems
Total Credit Hours: 3
This course covers advanced digital navigation systems and their integration within the bridge environment. It focuses on satellite navigation principles, electromagnetic signal processing, GNSS augmentation, AIS operations, and cybersecurity protocols for maritime applications. Regulatory and technological frameworks for Maritime Autonomous Surface Ships (MASS) are addressed, with emphasis on data integrity and multi-system interoperability. The course aligns with STCW Tables A-II/1 and A-II/2, IMO Model Courses, and the IMO e-navigation guidelines (MSC.530(106)).

T 3117
Celestial Navigation
Total Credit Hours: 2
This course covers essential techniques and methods for determining a vessel's position line using necessary calculations and adjustments to account for position line, local hour angle and declination. Students learn to identify major celestial bodies (sun and stars) to calculate position lines using the Nautical Almanac, and plot position lines based on calculated celestial observations and obtaining the compass error for course adjustments.

T 3218
Meteorology
Total Credit Hours: 3
This course provides students with a complete understanding of the earth's atmosphere and its composition, including describing the types of air masses and understanding the weather associated, classifying types of clouds, reading the weather charts and being familiar with its symbols, calculating the relative humidity and the dew point temperature, and predicting the wind direction and types.

T 3234
Ship Handling
Total Credit Hours: 3
The course covers the essential knowledge and applied skills required for safe and efficient ship handling at the operational level. It includes vessel behavior in various environmental conditions,

maneuvering techniques in confined waters, and control procedures during berthing, unberthing, anchoring, and harbor approaches. Emphasis is placed on assessing the effects of wind, current, shallow water, and interaction forces, and on selecting appropriate helm and engine responses. The course supports the development of STCW A-II/1 competencies for watchkeeping officers.

T 3319
Integrated Navigation Systems
Total Credit Hours: 3
The course develops proficiency in Integrated Navigation System (INS) and Bridge Resource Management (BRM) through a combination of theoretical knowledge and hands-on experience with Radar, ARPA, AIS, and ECDIS in compliance with STCW, IALA Guidelines, and IMO Model Courses. It enhances decision-making, teamwork, leadership, and situational awareness through real-time simulation exercises.

T 3323
Cargo Terminals and Smart Ports
Total Credit Hours: 3
The course covers the planning, execution, and digitalization of cargo operations across various cargo types, with emphasis on modern terminal operations and smart port technologies. Students will examine cargo handling procedures suited to general, bulk, container, Ro-Ro, and refrigerated cargoes, and assess how digital systems, automation, and terminal design influence ship–shore coordination and turnaround efficiency. The course also trains students in applying safe working practices and identifying operational defects through simulation and scenario-based exercises, preparing them to operate in both conventional and technology-enhanced cargo environments.

T 3341
Maritime Green Sustainability
Total Credit Hours: 3
This course covers a comprehensive understanding of contemporary environmental issues related to environmental sustainability in port and ship industries, particularly in relation to air quality concerns such as port and ship emissions, environmental management of port operations and supply chains, control instruments for ship-originated pollution, noise pollution, and the impact of climate change on port infrastructure.

T 4153
Applied Maritime Law
Total Credit Hours: 3
This course provides students with a deep understanding of a shipmaster's legal and commercial responsibilities, as well as the essential international maritime conventions that govern business practices in the shipping industry. In addition, with the introduction to marine insurance and the Liability of the protection and indemnity clubs (P&I clubs).

T 4210
Capstone Project I
Total Credit Hours: 3
This course is an essential component of the students' degree, enabling them to apply and deepen their understanding of current maritime transport practices and methodologies. Students will engage in applied research, working collaboratively to solve complex maritime problems and develop innovative solutions. Under the guidance of faculty supervisors, students will conduct comprehensive data collection, analysis, and interpretation to produce a well-documented thesis. The course emphasizes effective communication, requiring students to present their findings in both written and oral formats. Weekly meetings and progress checks will ensure timely project development and support effective teamwork skills.

T 4211
Applied Navigation and Chartwork
Total Credit Hours: 3
The course covers the traditional parts in position fixing in conjunction with ECDIS in addition to performing passage planning steps and the use of all relevant nautical publications, tide calculation and sailing methods. Moreover, the course identifies all bridge equipment and their function.

T 4124
Applied Ship Stability and Construction
Total Credit Hours: 3
This course provides in-depth to ship stability concepts to include principles of buoyancy, stability criteria, calculations of hydrostatic data, and the effects of loading, ballast, and environmental conditions on vessel stability. Emphasis is placed on problem-solving, using stability data and curves to ensure compliance with safety regulations. Students will develop the ability to analyze and respond to challenging stability scenarios, enhancing decision-making skills for safe ship operations.

T 4213
Applied Shipboard Operations and Maintenance
Total Credit Hours: 0
The course covers essential shipboard operations, emphasizing practical competencies required for safe and efficient vessel management. Students will engage in hands-on training and scenario-based exercises to develop proficiency in navigational watchkeeping, ship maneuvering, cargo handling, emergency response, pollution prevention, and maintaining seaworthiness. This course is designed to prepare students for real-world challenges encountered during shipboard operations.

T 4312
Capstone Project II
Total Credit Hours: 3
This course builds upon the foundations laid in Final Project I, focusing on advancing students' applied research and problem-solving abilities. Students will enhance their technical skills by implementing practical solutions to complex maritime issues, supported by thorough analysis and data evaluation. The project will require in-depth exploration of current maritime practices, resulting in the development of innovative solutions documented in a final thesis. Students will be assessed on their ability to communicate findings effectively and collaborate within their teams to meet academic and professional standards. Regular interactions with supervisors will guide students in refining their work and preparing for comprehensive oral presentations and final evaluations.

T 4254
Maritime Leadership and Management
Total Credit Hours: 2
This course provides students with essential leadership and management skills tailored for the industry's unique challenges. It focuses on the development of effective leadership styles, decision-making under pressure, cross-cultural team management, and the implementation of strategic management practices onboard ships, and best practices to enhance crew performance, ensure compliance with international maritime regulations, and foster a culture of safety and accountability.

T 4314
Applied Bridge Operation and Emergency
Total Credit Hours: 0
The course covers practical competencies required for effective bridge operation and emergency response at the operational level. It focuses on bridge resource management, emergency procedures, onboard communication, and crew coordination under pressure. Students will engage with simulated emergency scenarios, apply standard marine communication phrases (SMCP), and respond to fire, collision, grounding, and abandon-ship situations. Emphasis is placed on teamwork, situational awareness, and decision-making in compliance with international standards and good seamanship practice.

MTP 2101
Maritime Placement
Total Credit Hours: 6
This course is delivered through structured onboard training aligned with the STCW Convention and national maritime regulatory requirements. Throughout the placement, students are expected to complete designated sections of their Training Record Book (TRB) under the supervision and verification of the ship’s Master. In addition to fulfilling TRB tasks, students will actively engage in practical onboard operational activities relevant to respective ship scenarios. Students will maintain a Reflective Journal, documenting their practical experiences, observations, and learning reflections to consolidate and enhance their understanding of shipboard tasks, work and routines in preparation for the relevant flag state administration oral examinations. Students are also required to collect data of shipboard equipment and systems relevant to their training, while maintaining routine communication with academic supervisors to report progress and seek guidance.

Assessment in this course is based on a comprehensive review of the verified TRB, submission of Reflective Journal, and 30 – 45 minutes viva (Oral exam) that evaluates the student's technical understanding and practical learning. All submissions must be completed at least one week prior to the scheduled assessment date.
By the end of the course, students will have developed essential attributes, including real-life maritime professionalism, problem-solving in practical contexts, self-reflection for continuous development and operational readiness for maritime certification. This course prepares students for the Certificate of Competency (CoC) oral examination.

College of International Transport & Logistics

Maritime Business Department

MB 292
Introduction to Maritime Regulation and Law
Total Credit Hours: 3
This course introduces the legal maritime framework that oversees shipping operations in different sea areas, as outlined by the Law of the Sea (UNCLOS). It also covers the role of the International Maritime Organization (IMO) in shaping maritime law, along with legal aspects of the main international conventions governing maritime safety of ships and crews. Conventions on the protection of the marine environment from pollution are also covered. Students will build foundational understanding in these areas through a combination of lectures and case studies; by the end of the course, students are well prepared for further study of maritime regulations and law.

BMB 221
Marine Organizations
Total Credit Hours: 3
This course provides an in-depth exploration of the organizational structures and regulatory frameworks that govern the maritime industry, focusing on shipping businesses, regulatory compliance, and commercial maritime operations. Through a combination of lectures, case studies, and industry analysis projects, students will develop analytical abilities to assess organizational effectiveness, regulatory compliance understanding, and professional communication skills essential for maritime business environments. Students will examine the complex network of international and national regulatory bodies that oversee maritime operations, including the International Maritime Organization (IMO), flag state authorities, port state control, and classification societies. The course covers the organizational structures of various maritime enterprises, from shipping lines and port operators to logistics companies and maritime service providers. By the end of the course, students will be able to identify key regulatory bodies and their industry roles, analyze the organizational structures of shipping and maritime businesses, evaluate the functions and relationships of commercial shipping stakeholders, and present maritime industry information in a clear, professional manner suitable for business contexts. This course prepares students for further study in maritime business management and equips them with essential knowledge for professional success in shipping, port operations, maritime logistics, and related maritime industries.

BMB 231
Marketing
Total Credit Hours: 3
This course introduces fundamental marketing principles and strategies, focusing on strategic marketing concepts, environmental factors influencing marketing decisions, and ethical considerations in diverse market contexts. Through a combination of lectures, practical exercises, and collaborative projects, students will develop analytical abilities to evaluate marketing strategies, critical thinking skills to assess market influences, cultural sensitivity for global marketing applications, and teamwork competencies essential for professional marketing environments. Students will explore core marketing theories and their practical applications across various industries, with particular emphasis on maritime business contexts. The curriculum covers market analysis, consumer behavior, promotional strategies, and the impact of economic, technological, social, and regulatory factors on marketing activities. Special attention is given to understanding cultural diversity, social responsibility, and ethical decision-making in marketing practices. By the end of the course, students will be able to analyze and discuss fundamental marketing strategy principles, identify and evaluate various factors that influence marketing activities and outcomes, demonstrate cultural, social, and ethical awareness in marketing contexts, and collaboratively design comprehensive marketing plans that apply general marketing principles specifically to maritime-related businesses. This course prepares students for further study in specialized marketing disciplines and equips them with essential tools for professional success in marketing maritime businesses.

BMB 322
Commercial Ship Management
Total Credit Hours: 3
This course provides an in-depth exploration of commercial ship management, focusing on operational oversight, regulatory compliance, and fleet administration within the maritime industry. Through a combination of lectures, case studies, and practical exercises, students will develop comprehensive understanding of ship management functions, regulatory frameworks, and certification processes essential for effective vessel operations. Students will examine the roles and responsibilities of ship management companies, explore technical and operational management systems, and analyze compliance requirements across international maritime regulations. By the end of the course, students will be able to demonstrate understanding of operational and technical ship management functions, evaluate compliance management requirements for commercial vessels, and explain the purpose and procedures of mandatory surveys and certifications for managed fleets. The curriculum covers key areas including crew management, maintenance planning, safety management systems, port state control, classification society requirements, and statutory certifications. This course prepares students for more advanced study in maritime operations and management while equipping them with practical tools for professional success in ship management companies, shipping lines, maritime consultancies, and regulatory bodies. Students will gain industry-relevant knowledge applicable to shore-based maritime careers in commercial vessel operations and fleet management.

BMB 323
Integrating Environment, Social, and Governance in Maritime Business
Total Credit Hours: 3
This course provides an in-depth exploration of Environment, Social, and Governance (ESG) principles within the maritime industry, focusing on sustainability frameworks, corporate social responsibility, and stakeholder engagement strategies. Through a combination of lectures, case study analyses, and real-world projects, students will develop critical evaluation skills for ESG implementation, strategic thinking capabilities for sustainable business practices, and effective communication techniques for presenting ESG solutions to diverse stakeholders. Students will examine foundational sustainability concepts and their application to maritime logistics organizations, learning to assess environmental impacts, social responsibilities, and governance structures within shipping operations. The course emphasizes practical application of ESG metrics and their alignment with the United Nations Sustainable Development Goals, enabling students to design comprehensive sustainability strategies for maritime businesses. By the end of the course, students will be able to critically analyze ESG frameworks within maritime contexts, evaluate and recommend appropriate ESG metrics for business decision-making, develop integrated solutions that address environmental and social challenges while maintaining commercial viability, and communicate ESG strategies effectively to industry professionals and stakeholders. This course prepares students for further study in sustainable business management and maritime policy, while equipping them with essential tools for professional success in the evolving maritime industry.

BMB 324
Introduction to Chartering
Total Credit Hours: 3
This course introduces chartering in the maritime industry, focusing on charter party fundamentals, contractual terms, and operational planning. Through a combination of lectures, case studies, and practical exercises, students will develop analytical skills in charter party analysis, contractual interpretation, and voyage planning capabilities. Students will examine various charter types including time, voyage, and bareboat charters, while gaining hands-on experience in creating comprehensive voyage plans that align with specific charter agreements. By the end of the course, students will be able to identify and apply key principles of charter parties, demonstrate comprehensive knowledge of standard charter terms and conditions, compare different charter types to determine optimal arrangements for specific scenarios, and develop detailed voyage plans that incorporate charter requirements, regulatory compliance, and operational efficiency. The course emphasizes practical application through real-world charter party examples and industry-standard documentation. This course prepares students for more advanced study in maritime law, ship management, and commercial operations while equipping them with essential tools for professional success in shipping companies, ship broking firms, port authorities, and maritime consulting organizations. Students will gain the foundational knowledge necessary to navigate the complex commercial relationships that drive international maritime trade.

BMB 331
Internship I (Work Placement)
Total Credit Hours: 6
This course provides an in-depth exploration of professional maritime business practice, focusing on the practical application of theoretical knowledge within real-world maritime transport and logistics environments. Through structured work placements in shipping companies, port authorities, freight forwarders, or related maritime organizations, students will develop professional competencies, problem-solving abilities, and workplace communication skills essential for industry success. Students engage in meaningful work assignments under the supervision of industry professionals and academic mentors, gaining hands-on experience in maritime operations, logistics coordination, commercial activities, or specialized maritime services. The placement emphasizes the integration of academic learning with practical application, enabling students to observe and participate in current industry practices and processes. By the end of the course, students will be able to apply maritime transport and logistics knowledge to workplace scenarios, develop evidence-based solutions to practical problems while communicating effectively in professional contexts, demonstrate personal accountability in achieving work objectives, and show cultural awareness and sensitivity in diverse workplace environments. This course prepares students for more advanced study in specialized maritime business areas and equips them with essential professional experience and networks for successful careers in the global maritime industry.

BMB 430
Chartering Practice
Total Credit Hours: 3
This course utilizes the knowledge gained in the Introduction to Chartering course and provides students with the opportunity to undertake an in-depth and applied exploration of chartering in the maritime industry, focusing on formulation and review of charter party agreements, contractual clauses, and risk management principles. Through a combination of lectures, case study analysis, and practical exercises, students will develop analytical abilities to evaluate complex charter agreements and technical proficiency in drafting maritime contracts. Students will examine various types of charter parties including voyage, time, and bareboat charters, while mastering industry-standard terminology and abbreviations essential for professional practice. By the end of the course, students will be able to explain the function and implications of diverse charter party clauses, analyze charter agreements to identify key stakeholder responsibilities and associated risks, and create comprehensive charter agreements tailored to specific shipping scenarios using correct maritime terminology. The curriculum emphasizes practical application through real-world case studies and contract drafting exercises that mirror industry practices. This course prepares students for more advanced study in maritime law and commercial shipping operations, while equipping them with essential tools for professional success in ship broking, chartering departments, maritime law firms, and shipping companies. Graduates will possess contractual knowledge and analytical skills crucial for effective participation in the global charter market.

BMB 413
AI and Digital Business
Total Credit Hours: 3
This course introduces artificial intelligence and digital transformation within the maritime industry, focusing on foundational AI principles, digital business models, and data-driven decision-making processes. Through a combination of lectures, case studies, and hands-on projects, students will develop analytical abilities to assess digital transformation opportunities, technical proficiency in AI applications, and problem-solving skills specific to maritime operations. Students will explore how AI technologies such as machine learning, predictive analytics, and automation are revolutionizing shipping, port operations, logistics, and supply chain management. The course examines digital business concepts including platform economics, IoT integration, and smart shipping technologies while emphasizing the strategic importance of data analytics in maritime decision-making. By the end of the course, students will be able to examine AI fundamentals and digital transformation frameworks, explain key digital business concepts and their maritime applications, demonstrate understanding of AI's role in data-driven maritime operations, and apply AI and digital transformation knowledge to solve real-world maritime business challenges. This course prepares students for further study in maritime technology and digital innovation while equipping them with essential tools for professional success in the rapidly evolving digital maritime industry.

BMB 422
Shipping Finance
Total Credit Hours: 3
This course provides an in-depth exploration of shipping finance, focusing on the specialized financial structures, investment strategies, and risk management techniques unique to the maritime industry. Through a combination of lectures, case studies, and practical exercises, students will develop comprehensive analytical abilities in financial appraisal, capital asset management, and investment decision-making within the shipping sector. Students will examine various financing options available to maritime companies, from traditional bank lending to innovative capital market instruments, while mastering appraisal techniques specific to vessel investments and port infrastructure projects. The curriculum covers the development and strategic management of capital assets, including fleet optimization and lifecycle management, alongside critical financial risk management mechanisms such as hedging strategies, insurance products, and credit risk assessment. By the end of the course, students will be able to evaluate diverse financing alternatives for shipping ventures, apply sophisticated appraisal methodologies to maritime investments, formulate strategies for capital asset development and management, and implement appropriate financial risk management tools for shipping operations. This course equips students with essential analytical tools for professional success in shipping companies and other maritime business institutions.

BMB 423
International Business Relations
Total Credit Hours: 3
This course provides an in-depth exploration of international business relations within the maritime industry, focusing on global trade frameworks, cross-cultural business practices, and ethical decision-making in international contexts. Through a combination of lectures, case studies, and practical projects, students will develop analytical abilities to assess global market dynamics, cultural competency for international partnerships, and ethical reasoning skills essential for maritime business operations. Students will examine how international trade agreements impact maritime commerce, analyze the complex business environment that shapes global shipping decisions, and explore frameworks for addressing ethical dilemmas in international business settings. The course emphasizes understanding of social and cultural differences that influence business relationships across diverse markets, with particular attention to how these factors affect maritime trade partnerships and operations. By the end of the course, students will be able to evaluate the impact of global trade policies on maritime business, apply cultural intelligence to international business scenarios, and demonstrate ethical decision-making in cross-border maritime operations. This course prepares students for more advanced study in international maritime management and equips them with essential tools for professional success in the global shipping, logistics, and maritime services industries.

BMB 421
Marine Insurance and Risk
Total Credit Hours: 3
This course provides an in-depth exploration of marine insurance and risk management within the maritime industry, focusing on foundational principles, policy structures, and commercial applications. Through a combination of lectures, case study analyses, and practical exercises, students will develop analytical abilities to assess maritime risks, interpret insurance contracts, and resolve complex insurance scenarios. The curriculum covers essential topics including hull and machinery insurance, cargo protection, liability coverage, and claims procedures. Students will master industry-specific terminology and learn to navigate key insurance clauses that govern maritime commerce. Emphasis is placed on understanding the relationship between risk assessment, premium calculation, and policy terms in real-world shipping operations. By the end of the course, students will be able to demonstrate comprehensive understanding of marine insurance principles, utilize appropriate terminology to explain key insurance clauses, apply theoretical knowledge to evaluate commercial scenarios, and develop justified solutions to defined insurance problems. Interactive workshops and case studies drawn from actual maritime incidents provide practical experience in claims assessment and risk mitigation strategies. This course equips students with essential tools for professional success in shipping companies, insurance brokerages, maritime law firms, and port authorities.

BMB 426
Leadership and Management
Total Credit Hours: 3
This course provides a comprehensive overview of leadership and management principles within the maritime industry context, focusing on foundational leadership theories, management functions, conflict resolution strategies, and personal development planning. Through a combination of lectures, case studies, role-play exercises, and self-assessment activities, students will develop critical thinking skills, practical leadership competencies, and effective management techniques specifically applicable to maritime business environments. Students will examine established leadership theories and their relevance to maritime operations, analyze how leadership functions as an integral component of management practice, and engage in interactive simulations to explore various approaches to workplace conflict resolution. The course emphasizes hands-on learning through role-play scenarios that mirror real maritime industry challenges, enabling students to practice decision-making and interpersonal skills in controlled settings. By the end of the course, students will be able to evaluate and apply key leadership theories to maritime contexts, demonstrate understanding of leadership's role within management frameworks, effectively navigate conflict resolution scenarios, and develop comprehensive personal performance plans for continuous leadership growth. This course provides students with essential tools for professional success in shipping companies, port authorities, maritime logistics firms, and related marine industry sectors.

BMB 431
Internship II (Industry-based Final Project)
Total Credit Hours: 6
This course provides an in-depth exploration of contemporary maritime business challenges through industry-based research and project development, focusing on the practical application of theoretical knowledge to real-world problems. Through independent research, industry collaboration, and project execution, students will develop advanced analytical abilities, critical evaluation skills, and professional communication competencies essential for maritime business leadership. Working with industry partners, students demonstrate personal autonomy in identifying, planning, and researching current maritime issues or workplace challenges. They apply comprehensive knowledge gained throughout their program to synthesize relevant information from diverse sources, evaluating cutting-edge developments in maritime business and industry practices. The course emphasizes rigorous academic standards, requiring students to communicate findings effectively through both oral presentations and written reports with proper academic referencing. By the end of the course, students will be able to conduct independent research on complex maritime business problems, synthesize multidisciplinary knowledge to develop innovative solutions, critically evaluate information at the forefront of maritime knowledge, and communicate professional findings to industry stakeholders. This capstone experience prepares students for advanced study in maritime business or related fields and equips them with essential research, analytical, and communication tools for immediate professional success in the maritime industry.

Maritime Logistics and Supply Chain Management Department

BML 121
Basics of Maritime Logistics Operations
Total Credit Hours: 3
This course provides a foundational understanding of maritime logistics where students will explore key concepts and principles and be given a theoretical overview of the topic. The focus will be on learning about the various components of logistics through using case studies and real-world applications to offer the students practical insights into logistics operations and the challenges faced by industry. Concepts, theories and ideas from this course will form the basis of understanding for the overarching program and will be built upon over the program of study.

BML 122
International Trade
Total Credit Hours: 3
This course is designed to help students develop an understanding of the mechanisms and drivers of international trade. This will include review and discussion of key drivers such as supply and demand, socio economic development and globalization on international trade. The students will investigate how these drivers develop and influence trade routes that are used by shipping around the world. In addition, they will consider the link between the land and sea interface and identify connections across the wider transport network.

BML 123
Marine Transport Operations
Total Credit Hours: 3
The course aims to develop the students' understanding of the wide range of goods transported by sea and the different types of vessels required to support this transport. The course will introduce students to the many different types of vessels and sectors of the maritime industry that are required to move a wide array of commodities across the globe. It will start to develop students' understanding of the complexities of transporting goods by sea and the specialist requirements of the cargo being carried.

BML 131
Principles of Management
Total Credit Hours: 3
This course explores the basic principles and techniques of management. The aim is to understand different management approaches, organizational cultures, and the global working landscape. The course will provide the students with essential skills and knowledge for achieving organization objectives using effective organization management theories. By applying management theories to real-world case studies, students are anticipated to achieve a comprehensive understanding of business practices in international contexts.

BML 132
Financial Accounting
Total Credit Hours: 3
This course introduces financial accounting, focusing on fundamental principles, the accounting cycle, and financial statement preparation within the maritime logistics context. Through a combination of lectures, practical exercises, and Excel-based projects, students will develop analytical abilities, technical proficiency in accounting software, and problem-solving skills specific to maritime operations. Students will learn to recognize core accounting concepts, apply accounting cycles to maritime companies, and accurately record transactions common in shipping, port operations, and supply chain activities. Emphasis is placed on preparing essential financial statements including balance sheets, profit and loss statements, and statements of changes in equity. Practical training in Microsoft Excel enables students to efficiently process accounting data and generate professional financial reports. By the end of the course, students will be able to analyze maritime business transactions, prepare comprehensive financial statements, and utilize digital tools for accounting processes in maritime contexts. This course prepares students for more advanced study in maritime finance and management accounting, while equipping them with essential financial literacy tools for professional success in the maritime logistics and supply chain industry.

BML 133
Maritime Economics
Total Credit Hours: 3
This course will consider the drivers of global trade and trade organizations and their influence on shipping. It will consider the major organizations involved in maritime business, their functions and purpose. It will consider trade and market cycles, shipping cycles and how these influence maritime trade and key shipping markets will be reviewed.

BML 211
Global Logistics
Total Credit Hours: 3
This course aims to Identify what shapes the global logistics market and the complexity of global supply chains. It will examine the role and activities of logistics at the global level, considering the flow of goods and resources from point of origin to destination. It will consider planning, implementation, and management of logistics operations across international borders and factors that influence the process. It explores the complexities of global supply chains, emphasizing the strategic role of logistics in achieving competitive advantage in the global marketplace.

BML 212
Maritime Logistics Operations Management
Total Credit Hours: 3
This course delves into the specialized field of maritime logistics and distribution, examining the movement of goods through maritime channels. It covers the intricacies of shipping, port operations, and the role of maritime logistics in global supply chains. Students will gain insights into the challenges and strategies involved in managing maritime transport effectively. They will develop knowledge of distribution management, inventory control, cross border trade facilitation and efficiency of operations to understand how effective management of these contributes to developing competitive advantage.

BML 213
E-Commerce and Digital Technology
Total Credit Hours: 3
The course will consider how organizations use data and information from various sources. Elements of E-commerce will be introduced to demonstrate how organizations utilize digital applications for processes related to storage and shipping inventory. The course aims to develop the students' understanding of the way in which the maritime industry uses e-platforms and electronic data interchange to facilitate business and enhance operational efficiency, taking into consideration the benefits and burdens of the use of digital applications. Students will be introduced to Cargo Wise, a logistics management software package to familiarize them with real life applications of digital technology.

BML 221
Maritime Supply Chain Management
Total Credit Hours: 3
This course provides a comprehensive introduction to the principles and practices of supply chain management. It explores the processes involved in the flow of goods and services from suppliers to customers, highlighting the importance of efficient and effective supply chain operations in today's global marketplace.

BML 222
Managerial Accounting
Total Credit Hours: 3
This course provides an in-depth exploration of managerial accounting principles and practices, focusing on internal financial reporting, cost analysis, and strategic decision-making within maritime logistics and supply chain operations. Through a combination of lectures, case studies, and industry-specific projects, students will develop analytical abilities to interpret financial data, assess operational performance, and support management decisions in complex maritime business environments. Students will examine cost behavior patterns, budgeting processes, and performance measurement systems tailored to shipping companies, port operations, and supply chain organizations. The curriculum emphasizes practical applications including freight costing, vessel utilization analysis, inventory management accounting, and capital investment evaluation for maritime infrastructure projects. This course prepares students for more advanced study in maritime finance and strategic management while equipping them with essential analytical tools for professional success in shipping, port management, logistics consulting, and international trade industries.

BML 231
Project Management
Total Credit Hours: 3
This course aims to provide the students with an understanding of theory and practice of managing and implementing projects in maritime and logistics industry. The students will also be able to evaluate the challenges of managing projects in various socio-cultural environments. The importance of ethical considerations in project management is also taught in this course.

BML 232
Statistics and Data Analysis
Total Credit Hours: 3
The aim of this course is to equip students with a comprehensive understanding of fundamental statistical concepts and tools, enabling them to effectively analyze, interpret, and communicate data for informed business decision-making, utilizing software such as Microsoft Excel. The course will acquaint students with the fundamental statistical concepts and tools common in business applications. Topics covered include descriptive statistics, probability distributions, sampling, hypothesis testing, linear regression, and correlation. By the end of this course, students should understand and know how to use, communicate, and interpret data for numerous business problems and decisions. Appropriate business software, such as Microsoft Excel, will be utilized.

BML 233
Procurement Management
Total Credit Hours: 3
This course explores the key principles and practices of negotiation and procurement within business contexts. It focuses on developing negotiation skills, understanding procurement processes, and managing supplier relationships effectively to drive value for organizations.

BML 311
Port and Terminal Operations Management
Total Credit Hours: 3
This course aims to develop knowledge and understanding of the different types of port and terminals that form an integral part of the maritime logistics supply chain. The course will give students an understanding of ports and the specialist terminals that sit within them. It will review approaches to management and operations in ports and specialist terminals and the specific regulatory requirements that govern them. Environmental and sustainability issues will be addressed with consideration of how ports and terminals can utilize new technology and digital platforms to become sustainable and' Smart' ports for the future.

BML 312
Introduction to Business Law
Total Credit Hours: 3
The aim of the course is to introduce students to the fundamentals of business law, which encompasses commercial law and the rules and regulations that govern how businesses operate and interact. It is designed to familiarize students with the essential elements of established legal frameworks and the concepts and terms utilized within international business. The course will focus on the leading principles that govern business operations, which will address contracts, tort, international contracts of sale, commercial invoices and the use of Incoterms.

BML 313
Reverse Logistics
Total Credit Hours: 3
This course aims to equip learners with the knowledge and skills essential to manage the reverse flow

of products and materials from the point of consumption back to the point of origin for various reasons like product returns, recycling, or refurbishment. The course also provides students with a deeper understanding of the concept, system and process of reverse logistics, its role in the product lifecycle, and its growing significance in today's business environment. At the end of the course, the students should have developed skills aimed at designing and managing processes for handling returned products, ensuring they are processed efficiently and effectively. The course also covers the financial, operational, and environmental implications of reverse logistics process in organizations, including its impact on profitability and sustainability. In the course of learning, the students will learn the best practices in warehouse management, transportation, and inventory management related to reverse logistics process.

BML 314
Human Resource Management
Total Credit Hours: 3
This course provides a comprehensive introduction to human resource management (HRM), focusing on the strategic role of HR in organizations. It covers key functions such as recruitment, selection, training, performance management, employee relations, and compensation. Students will learn how effective HR practices contribute to organizational success and employee satisfaction.

BML 321
International Maritime Law
Total Credit Hours: 3
This course will develop students' understanding of International maritime law as applied to commerce and trade. It will address key elements of law that govern the transport of goods by sea, specifically in relation to Carriage of Goods by Sea law, which underpins international shipping of goods, related contracts and agreements. It will consider the Bill of Lading and its role as a receipt, the contract of carriage and how it is used across transport modes. The bill of lading with respect to liability and obligations of the ship owner/carrier will also be considered along with the most common areas of disputes and how these can be resolved.

BML 322
Contemporary Issues in Supply Chain Management
Total Credit Hours: 3
This course provides a comprehensive understanding of contemporary issues in supply chain management, including recent trends in logistics, changing supply chain management dynamics, processes, technology, and systems. Students will learn to understand emerging, smart supply chain paradigms that require supply chain professionals to focus on supply chain agility, and resilience across supply chains to improve coordination, and collaboration with supply chain partners to manage changing business landscape. The course will also allow students to explore various, emerging supply chain management practices across a range of sectors.

BML 323
Integrating Environmental, Social, and Governance in Maritime Logistics
Total Credit Hours: 3
This course will consider how Environment, Social and Governance (ESG) metrics can be utilized to help inform decision making in the context of the workplace and organizations, addressing the needs

of the UN Sustainable Development Goals and Corporate Social Responsibility. It will consider the way in which companies and businesses can utilize the ESG framework and standards to develop a well informed and forward-thinking workforce.
The course aims to develop the students' knowledge and understanding of the importance of the UN Sustainable Development goals and how they should and can be embedded in all sectors of business and commerce.

BML 331
Internship
Total Credit Hours: 6
The internship provides the students with the opportunity to reflect on and implement the knowledge and skills gained from their courses and to learn about new concepts and working practices. Working in a professional work environment in a structured and supported manner in industry will enhance their knowledge and professional skills and develop key skills, such as time management and independence, for future learning through experiencing the demands of working in business. The internship will be for a period of no less than 10 weeks and no more than 16 weeks in an approved appropriate business related to the field of Maritime Logistics and Supply Chain Management, with a total of 360 contact hours in the placement. Students will be supported by an Academic supervisor and a Field Supervisor at the internship site. Students will undertake a minimum of 360 hours of work placement.

BML 411
Maritime Supply Chain Modelling
Total Credit Hours: 3
This course examines the essential concepts and practices of planning and controlling operations within the supply chain. It focuses on aligning supply chain strategies with business objectives to enhance efficiency, responsiveness, and overall performance.

BML 412
Economics of International Trade
Total Credit Hours: 3
This course provides students with the knowledge and skills required to navigate and manage business operations in a global context. With the rise of globalization, digital transformation, and increasing interconnectivity between countries, organizations must adopt strategies that account for diverse markets, cultures, and legal systems. This course explores the fundamental principles of international business, focusing on cross-border trade, investment, global marketing, cultural and social diversity and the challenges and opportunities of working in an international business.

BML 413
AI, Digital Transformation, and Supply Chain Analytics
Total Credit Hours: 3
This course aims to provide students with a fundamental knowledge of supply chain analytics, artificial intelligence (AI), and digital transformation. Students will investigate how technological innovations support data-driven decision-making to enhance operational efficiency. Students will develop a foundational understanding of AI and digital evolution through case studies, projects, innovative pitches, and the application of essential tools. They will apply these principles to solve

challenges and enhance operations in the maritime logistics and supply chain management industry.

BML 421

Lean Supply Chain Management

Total Credit Hours: 3

This course is designed to equip students with the tools, techniques, and strategies necessary to optimize supply chain processes by eliminating waste, improving efficiency, and adding value at every step. The course will focus on maximizing value while minimizing resources, costs, and time. This course explores how Lean principles can be applied throughout the supply chain—from suppliers to customers—to streamline operations, reduce waste, and enhance overall performance. Through real-world examples and practical applications, students will learn to design and manage lean supply chains that deliver better value with fewer resources.

BML 422

Business Ethics

Total Credit Hours: 3

This course aims to provide students with a comprehensive understanding of ethical principles, frameworks and dilemmas in the business world, through exploring the ethical principles and moral dilemmas faced by businesses and their stakeholders. It will emphasize the importance of ethical decision-making in the corporate world and examine various frameworks for evaluating ethical issues. The course will also consider the role of cultural understanding for businesses operating globally.

BML 431

Sustainable Supply Chain Management

Total Credit Hours: 3

This course focuses on the principles and practices of sustainability within supply chain management. Students are introduced to sustainable supply chain management (SSCM) concepts, tactics, and practices in this course. The course investigates how decisions about the supply chain, from sourcing to delivery, can incorporate environmental, social, and economic sustainability factors. Through real life scenario analysis and framework application, students will evaluate sustainability performance, lower carbon footprints, encourage ethical sourcing, and create robust, circular supply chains. Global issues, legal frameworks, and the contribution of technology and innovation to long-term value creation are all highlighted.

BML 432

Strategy and Change Management

Total Credit Hours: 3

The course covers the principles, skills, and tools of strategic management that enable companies to achieve long-term goals and gain a competitive advantage in dynamic and competitive markets. It will explore a range of processes that can be utilized within the business environment to address issues, aid decision making and to develop and implement appropriate strategies. It will cover the process of strategic planning, from analyzing the external environment and internal capabilities to formulating, implementing, and evaluating strategies. Emphasis will be placed on the application of strategic thinking to real-world business problems, with case studies drawn from a range of industries and global markets. In addition, current changes and future directions of strategic thinking are also covered.

BML 433
Graduation Project
Total Credit Hours: 3
This course provides students with an opportunity to apply the knowledge, skills, and concepts learned throughout their program of study to research a real-world problem or current issue in industry. Students will be required to engage in comprehensive, independent research that demonstrates their ability to critically analyze complex issues, solve problems, and contribute to their field of study. Students will undertake research into a topic that is directly related to their academic discipline. This course serves as a bridge between academic learning and professional practice, preparing students for the challenges they will face in their careers and will demonstrate the students' ability to take responsibility for their own learning and to apply effective time management.

Marine Technical Operations Department

TRA5001
Applied Mathematics for Marine Technical Operations
Total Credit Hours: 3
The Module aims to provide learners with a thorough knowledge of mathematical principles and applications. Concentrating on topics such as the fundamentals of algebraic expressions, including simplification and factorization. Straight line equations, quadratic equations, linear systems, proportions, percentages, variations, linear interpolation, and mensuration are among the topics addressed. In addition, the properties of trigonometric functions and strategies for solving various types of plane triangles are discussed. Furthermore, the course covers the fundamentals of differentiation and integration, along with their practical applications.

TRA5002
Applied Physics for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide learners with essential background in applied physics, including kinematics, simple harmonic motion, heat measurements and Archimedes principle.

TRA5007
Conventions and Codes for Marine Technical Operations
Total Credit Hours: 2
This module aims to provide learners with the knowledge and skills required to understand the purpose of the International Maritime Organization (IMO) conventions and codes and IMO structure, roles and functions. Understanding the IMO main pillars and the importance of maritime regulating body setting standards, regulations and guidelines to ensure the safety and security of international efficient shipping sailing within cleaner oceans. The IMO overlooks all aspects regarding shipping regulations, safety and security including legal issues providing awareness to the maritime industry dealing with the ship design, construction, safety equipment's, operation and maintenance of ships and promoting the highest standard of efficient navigation and pollution prevention through effective implementation of IMO instruments.

TRA5025
Shipboard Knowledge for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide the learner with the ability to gain seamanship techniques by means of knowledge and training that improves practical skills supported by a blend of cognitive and experiential components, as well as a requisite dose of pragmatic judgement. To promote the enhancement of seamanship aptitudes, knowledge and skills among seafarers of both professional and recreational backgrounds, as well as the adoption of judicious approaches towards seamanship principles.

TRA5009
Emergency Response for Marine Technical Operations
Total Credit Hours: 2
This module aims to provide learners the ability to gain the knowledge, skills, and competencies necessary to effectively respond to emergency situations and maintain the safety and well-being of individuals on board, protect the environment, and safeguard the ship itself in the event of an emergency situation, while encompassing a range of preparedness, prevention, and response measures aimed at addressing various types of emergencies to ensure its effectiveness in mitigating risks and enhancing the safety and security of maritime operations. It serves as a critical resource for crew members and shore-based support personnel to respond promptly and effectively to emergencies while promoting a culture of safety and preparedness aboard ships.

TRA5022
Ship Construction for Marine Technical Operations
Total Credit Hours: 2
Ships should be outlined and built to be secure and seaworthy for an indicated life span under regulated conventions, when appropriately worked and kept up beneath the desired working and natural conditions, intact and indicated harm conditions, all through their life span. Learners will be acquainted with different types of ship stresses, framing systems, structural members, hull materials and roles of classification societies to meet the adequate strength the ship shall have within the safe and environmentally friendly to minimize the risk of loss of hull integrity due to structural failure.

TRA5021
Ship Compasses and Steering Controls for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide candidates the ability to interpret heading readings and apply corrections and adjustments to steer the vessel on a required accurate compass course as it resembles an important tool for the safety of navigation as how to use all indicated instruments for safe and efficient navigation.

TRA5023
Ship Repairs for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide learners with technologies utilized in modern shipyards and introduction to the language and terminology commonly used in the shipbuilding and repair industry to gain knowledge with regard to modern docking systems and ship repair recommended procedures, shipyard layout, shipbuilding industry, shipbuilding processes, hazardous, safety, damage control, the techniques and procedures employed in surveying and repair the ship's hull, propulsion systems and rudder to determine the needed repairs, defects detection methods, ship delivery and sea trials.

TRA5031
Welding and Lathe Training
Total Credit Hours: 3
The aim of this course is to provide learners with a foundational understanding and practical skills in welding and lathe operations. This course aims to equip students with the necessary knowledge and hands-on experience to perform welding techniques and lathe machining tasks with proficiency and safety.

TRA5010
Engineering Drawing for Marine Technical Operations
Total Credit Hours: 4
This module aims to provide learners the ability to apply terminologies, expressions, and theories related to the projection, geometrical construction drawings with accuracy according to appropriate conventions giving insight conventional representation computerized drawing applications activities such as advanced drafting techniques and computerized tools (2D,3D) AUTOCAD drawings used in educational and industrial fields, it gives an overview of the interconnections between manufacturing drawings sectioning and industrial links to international standards codes.

TRA5013
Maintenance Planning for Marine Technical Operations
Total Credit Hours: 4
This module aims to provide learners with the fundamental understanding of the role of maintenance planning in securing, maintaining and optimizing the enterprise machining and equipment and to ensure the effective operations of main and auxiliary engines.

TRA5019
Practical Navigation for Marine Technical Operations Part 1
Total Credit Hours: 3
This module aims to provide learners with the ability to be able to interpret marine navigational charts and its coordinates and to apply fundamentals of marine navigations and compass errors.

TRA5020
Practical Navigation for Marine Technical Operations Part 2
Total Credit Hours: 3
This module aims to provide learners the ability to apply fundamentals of navigation and to compare different methods of obtaining ship's position using landmarks calculating and identifying various effects that encounters the vessel along its track to reach its desired destination safely.

TRA5015
Marine Engineering for Marine Technical Operations Part 1
Total Credit Hours: 3
This module aims to provide learners the ability to enhance marine engineering technicians by improving practical skills supported by a blend of cognitive and experiential components, as well as a requisite dose of pragmatic judgement to promote the enhancement of marine engineering technology aptitudes and knowledge of both professional and recreational backgrounds, as well as the adoption of judicious approaches towards marine engineering technology principles and systems of marine diesel engines, super-charging.

TRA5016
Marine Engineering for Marine Technical Operations Part 2
Total Credit Hours: 3
This module aims to provide learners the ability to enhance marine engineering technicians by improving practical skills supported by a blend of cognitive and experiential components towards principles and systems marine fuels and fuel injection systems, combustion and diesel knocking, engine preparation and starting engine performance, operation and troubleshooting also will provides the learner with the fundamentals of diesel engines to operate main machinery, fundamentals and operation, to be able to rectify faults as they occur and handling of diesel systems operation.

TRA5006
Cargo Handling for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide learners with the ability to identify the principles operation of ship's cargo gear, Cargo stowage and securing, the safety precautions carried out during cargo operation, the loading and securing of different types of cargoes including dangerous goods, how to establish and maintain effective communication during cargo handling.

TRA5011
Machining Processes and Maintenance for Marine Technical Operations Part 1
Total Credit Hours: 3
The aim of this course is to provide learners with fundamental concepts, principles, and practices related to manufacturing processes to equip learners the ability to comprehend the intricacies involved in manufacturing various products, enabling them to contribute effectively to the industrial sector and provide them the knowledge and principles in material removal processes, and to demonstrate the fundamentals of machining processes and machine tools.

TRA5012
Machining Processes and Maintenance for Marine Technical Operations Part 2
Total Credit Hours: 3
The aim of this course is to provide learners with fundamental concepts, principles, and practices related to manufacturing processes to equip learners the ability to comprehend the intricacies involved in manufacturing various products, enabling them to contribute effectively to the industrial sector and provide them the knowledge and principles to apply the fundamentals and principles of metal cutting to practical applications using lathes, milling machines, grinding machines, and drill, and Computer Numerical Control machine.

TRA5007
Voyage Plan Sailing for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide learners with the ability to develop and identify the most favorable, safest and economical route to be used by the bridge team based on pillar stages accomplishing a safe task integrating possibilities of weather deterioration to develop alternative plans.

TRA5030
Weather Forecast Synopsis for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide learners with the ability to interpret weather conditions and weather facsimile charts to predict weather forecast to facilitate efficient choice decisions for better voyage routings.

TRA5024
Ship Seaworthiness for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide learners with the ability to calculate stability awareness in maintaining the seaworthiness of the vessel and provide them with the skills to keep the vessel under favorable stability conditions, calculation of the forces contributing to the stability of a ship; effect of loading, shifting, or discharging weights and also enable learners to cover aspects of law of flotation, transverse stability, free surface effect of liquids and its danger to a listed vessel, causes and correction of a negative stability.

TRA5003
Boat Handling for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide learners with the ability to safely maneuver the vessel in different situations including the influence of shallow water effects and under various affecting propeller and rudder forces as well as ship's handling characteristics.

TRA5014
Marine Electronic Instruments for Marine Technical Operations
Total Credit Hours: 2
This module aims to provide learners with the ability to operate marine navigation instrument systems in navigation and to be able to obtain ships position and to recognize and identify the fallibility of electronic navigational aids.

TRA5008
Detection and Ranging for Marine Technical Operations
Total Credit Hours: 3
This module aims to provide learners with the ability to operate marine navigation instrument systems in navigation and to be able to obtain ships position and to recognize and identify the fallibility of electronic aids and the importance of combining different methods and possessing a continuing ability and preparedness to fall back on principles, non-electronic navigation methods at any time.

TRA5017
Practical Marine Engineering for Marine Technical Operations 1
Total Credit Hours: 3
This module aims to provide learners with the ability to recognize the important classification of different types of pumps maintenance, steering gear maintenance, bow thruster, freshwater generator, heat exchangers maintenance, treatment of oils filtering, purification.

TRA5018
Practical Marine Engineering for Marine Technical Operations 2
Total Credit Hours: 2
This module aims to provide learners with the ability to recognize the important classification of different types of steering gear maintenance, heat exchangers maintenance, marine boilers control, shafting system, stern tube, thrust bearing maintenance.

TRA5004
Bridge Watchkeeping and Maritime Communications for Marine Technical Operations Part 1
Total Credit Hours: 3
This module aims to provide learners with the ability to enhance the proficiency in safe watchkeeping procedures and applying collision regulations, performing bridge duties and communicating effectively between vessels and shore.

TRA5005
Bridge Watchkeeping and Maritime Communications for Marine Technical Operations Part 2
Total Credit Hours: 3
This module aims to provide learners with the ability to enhance the proficiency in safe watchkeeping procedures and applying collision regulations, performing bridge duties and communicating effectively between vessels and shore.

TRA5026
Shipboard Technical Operations Part 1
Total Credit Hours: 3
This module focuses on the correct use of tools and its practical safety of application of mechanical skills in a marine environment while strictly adhering to the Code of Safe Working Practices (COSWP) to raise safety training awareness to adhere to safety protocols and procedures during the period of work experience / work-based learning. The internship will provide the learner to gain practical, hands-on experience in fulfilling responsibilities and duties in a safe working environment.

TRA5027
Shipboard Technical Operations Part 2
Total Credit Hours: 3
The internship will provide the learner with practical, hands-on experience in fulfilling responsibilities and duties in marine mechanical systems, focusing on welding, machining, metal fabrication, and maintenance of marine equipment. Learners will develop practical skills required for mechanical repairs and fabrication in a maritime setting, ensuring competency in industry-standard techniques, raise safety training awareness to adhere to safety protocols and procedures during the period of work experience / work-based learning.

TRA5028
Shipboard Technical Operations Part 3
Total Credit Hours: 4
The internship will provide the learner to gain practical, hands-on experience in diagnosing, repairing, and maintaining marine engines and raise safety training awareness to adhere to safety protocols and procedures.

General Education Department

GED 101
Physics I
Total Credit Hours: 3
This course introduces mechanics for engineering students, focusing on the fundamental principles of motion, forces, energy, momentum, and rotational dynamics. Through a combination of lectures, problem-solving sessions, and laboratory experiments, students will gain comprehensive knowledge of dimensional analysis, vector and scalar quantities, Newton's laws of motion, work-energy principles, conservation laws, and rotational motion concepts. By the end of the course, students will be able to describe physical quantities, analyze motion in one and two dimensions, apply Newton's laws to mechanical systems, solve problems involving energy conservation and momentum, and address rotational dynamics involving torque and angular momentum. This course equips students with foundational analytical, experimental, and problem-solving skills essential for advanced engineering programs and future professional practice.

GED 102
General Mathematics
Total Credit Hours: 3

This course offers a comprehensive exploration of key mathematical topics, including basic algebra, properties of straight lines, percentages, and the concepts of direct and inverse variations. Students will be able to solve systems of linear equations, quadratic equations, as well as exponential and logarithmic equations. In addition to mensuration techniques, students will gain an introduction to derivatives and delve into plane and spherical trigonometry. Through a blend of theoretical instruction and practical problem-solving, students will build a solid foundation in these essential concepts, preparing them for further studies or practical applications.

GED 103
General English
Total Credit Hours: 3
The course is an integration of GME-General Maritime English and SME- Specialized Maritime English following the IMO Model course (2017) for Maritime English. It adopts a multi-syllabus approach integrating the four language skills which learners need to enhance their English language skills. The course also introduces the learner to the SMCPs-Standard Marine Communication Phrases- to communicate effectively at sea in accordance with the Manila amendments of the STCW convention of 1978/95. Through interactive lessons, practical exercises, and real-world scenarios created in the bridge simulator, students will develop proficiency in maritime terminology, safety communications, and professional correspondence. By the end of the course, students will be equipped with the language skills needed to effectively communicate in the maritime industry, they will engage with relevant vocabulary and real-world scenarios tailored to their specializations.

GED 109
Study Skills
Total Credit Hours: 3
This course equips students with essential academic study strategies for university success. It introduces time management, note-taking, active reading, research evaluation, academic writing, test-taking skills, and teamwork. The course blends theory with practice, enabling students to apply strategies directly to their academic work and lifelong learning.

GED 111
Emirati Studies
Total Credit Hours: 3
This course aims at consolidating national attachment, citizenship, identity, and appreciation of national achievements of the United Arab Emirates government, through introducing the students to the major social aspects of UAE society, values and heritage. It offers studies in a variety of important fields related to UAE history, geography, internal and external political aspects, social development, woman empowerment, the UAE's approach to equip the community with knowledge, multiculturalism, developments in infrastructure, economy, renewable energy, and global competitiveness.

GED 202
Islamic Studies
Total Credit Hours: 3
This course aims to provide students with a comprehensive understanding of Islamic cultural principles, focusing on ethics, social values, and knowledge systems rooted in the Qur’an and Sunnah.

The course fosters critical thinking, intercultural awareness, and appreciation of Islamic contributions to global civilization.

GED 1305
Technical Writing and Communication
Total Credit Hours: 3
This course equips maritime students with essential technical writing and professional communication skills. It introduces learners to critical onboard documents such as the Oil Record Book, Seaman Discharge Book, Training Record Book, Incident and Accident Reports, Bill of Lading, and Charter Party and others. Students learn to write, analyze, and present information effectively in maritime contexts. The communication module focuses on the set of skills required by maritime professionals this includes but Is not restricted to leadership skills, interviewing skills, communication skills, SMCPs, and conducting effective meetings onboard. The course follows an applied, practice-based approach and aligns with STCW and IMO Model Course 3.17 standards.

GED 224
Calculus I
Total Credit Hours: 3
This course provides a comprehensive exploration of calculus fundamentals, focusing on theoretical understanding and practical applications of derivatives, integrals, and infinite series. Through a combination of rigorous mathematical analysis, computational techniques, and applied problem-solving, students will gain mastery in differentiation rules, integration methods, series expansions, and numerical approximations, including the Chain Rule, implicit differentiation, Taylor series, various integration techniques (u-substitution, integration by parts), and both trapezoidal and Simpson's numerical integration methods. By the end of the course, students will be able to analyze and solve complex calculus problems, compute areas and volumes using definite integrals, develop series representations of functions through Taylor, Maclaurin, and Fourier series, and apply these concepts to real-world applications. This course equips students with advanced mathematical tools essential for further studies in mathematics, physics, and engineering.

GED 201
Physics II
Total Credit Hours: 3
This course introduces electricity and magnetism for engineering students, focusing on the fundamental principles of electric forces, electric fields, electric potential, capacitance, current, resistance, magnetic fields, electromagnetic induction, and alternating current circuits. Through a combination of lectures, problem-solving sessions, and laboratory experiments, students will gain comprehensive knowledge of Coulomb’s law, Gauss’s law, electric circuits governed by Ohm’s and Kirchhoff’s laws, properties of capacitors, magnetic forces, Faraday’s law of induction, and the behavior of AC circuits. By the end of the course, students will be able to understand and apply concepts related to electrostatics, analyze DC and AC electrical circuits, and solve problems involving magnetic fields and electromagnetic phenomena. This course equips students with foundational analytical, experimental, and problem-solving skills essential for advanced studies in engineering fields and future professional practice.

GED 234
Calculus II
Total Credit Hours: 3
This course provides a comprehensive introduction to ordinary differential equations and vector calculus, focusing on analytical solution methods and transforming techniques. Through theoretical foundations and practical exercises, students will gain proficiency in solving first-order differential equations, second-order linear differential equations with constant coefficients, and applications using Laplace transforms. Students will also master key concepts of vector calculus, including gradient fields, divergence, and curl. By the end of the course, students will be able to analyze and solve differential equations, apply Laplace transforms, and understand fundamental vector calculus concepts. This course equips students with essential mathematical tools and problem-solving strategies necessary for advanced studies in mathematics, physics, and engineering.

GED 4108
Innovation and Entrepreneurship
Total Credit Hours: 3
The course explores innovation and entrepreneurship concepts and practices, focusing on their application within industrial and service sectors, especially in the maritime industry. It emphasizes creative problem-solving, decision-making, and business model development while fostering entrepreneurial thinking and strategies.

GED 100
Research Methods
Total Credit Hours: 3
This course introduces the foundations of research methodology in academic and professional contexts. Students examine quantitative, qualitative, and mixed-methods designs; sampling and data-collection techniques; basic data analysis; and research ethics. Emphasis is placed on problem formulation, literature review, and proposal development. By the end of the course, students will produce a concise, methodologically sound research proposal.

GED 330
Maritime Cyber Risk Management
Total Credit Hours: 3
This course provides the knowledge and skills necessary to identify, assess, and mitigate cyber threats within the maritime industry. It covers the integration of cybersecurity into operational processes and safety management systems, focusing on the protection of both information technology (IT) and operational technology (OT) systems onboard vessels and for shore-based operations. The course incorporates the International Maritime Organization (IMO) guidelines on maritime cyber risk management and the International Association of Ports and Harbors (IAPH) Cybersecurity Guidelines for Ports and Port Facilities.

Full-Time Faculty

Professor Syamantak Bhattacharya
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