Government of the People's Republic of Bangladesh

Ministry of Shipping

Bangladesh Marine Academy, Chattogram

Bangladesh Marine Academy

LeaderSHIP

GENERAL INFORMATION BOOKLET

Commandant's Message

Bangladesh Marine Academy, Chattogram – a home of maritime brilliance – bears a long reputation of producing professionally sound, environmentally aware, prudent and polite marine officers. The academy now stands at the fore-front of the world-renowned marine academies. Since establishment in 1962, this academy has produced nearly six thousand skilled and disciplined mariners who serve on both national and international vessels, with many of them achieving notable positions in the global maritime industry.

The academy offers excellent educational environment and imparts quality education and training for Pre-Sea Cadets, Certificate of Competency (CoC) examinations preparatory courses and ancillary courses in accordance with STCW'78 as amended. The academy operates as a fully residential and regimental institution, following a strict code of conduct and discipline to prepare cadets for the demanding life at sea.

The academy boasts modern facilities, including navigation and engine room simulators, extensive workshops, seamanship training facilities, library, and various amenities for physical training and recreation. It's our pleasure that the academy has achieved various international statuses and recognitions from organisations such as UK Merchant Navy Training Board, Solent University, Southampton, UK, Nautical Institute (London), Institute of Marine Engineering, Science & Technology (London), World Maritime University, Malmo, Sweden etc. highlighting its strong international recognition and academic excellence. Also, the academy is ISO 9001:2015 certified by DNV-GL for its quality management system.

The academy has opened door to female cadets in 2012, commenced 4-year bachelor (honours) course from 2015 under an affiliation of Bangladesh Maritime University.

I hope this booklet might be useful for our stakeholders to get a glimpse of the academy including educational programmes. However, relevant information is also available on academy's website www.macademy.gov.bd.

MarEngr Md. Manjurul Kabir
CEng CMarEng FIMarEST (UK) MSc (WMU, Sweden)
Commandant

Historical Background

With one of the largest river networks, one of the largest bays, largest delta, longest unbroken sea-beach, one of the oldest sea-ports, over 60,000 seafarers during the first half of 20th century, ancient wooden shipbuilding heritage and recent modern ocean-going shipbuilding impulse – Bangladesh is truly a maritime country. Besides, we are keeping world shipping green through the process of safe recycling of scrapped ships! 'Made in Bangladesh' wooden ships had been used in Turkey, China, Portugal and Germany during 13th -18th centuries. Therefore, Bangladesh possesses rich maritime heritage and current professional feat as well.

World scenario was changing fast after the WWII (1939-46). Pakistan along with East Bengal (Bangladesh) became independent in 1947 from British rule. Thereafter, the then Pakistan Government looked into developing various industrial training facilities. As such a scheme for establishing a marine academy beside the Bay of Bengal had been sanctioned in 1952. Juldia Point (valleys of Juldia-Rangadia) at the Karnaphuly river-mouth at Bay of Bengal was chosen for the planned academy. Interesting to note that the reason was to create a 'ship-like environment'. Due to geographical location the Juldia point was considered as it was almost like a ship but not floating! Such suitable location was unique in the country.

Building basic infrastructure commenced in 1952 with the establishment budget of Taka 31.19 lakhs. Gradually, it increased to Taka 53 lakhs in 1959, and finally to Taka 58.3 lakhs in 1961. The initial project was completed with the aim of training 22 Nautical Cadets and 22 Marine Engineering Cadets. The new-built 'Mercantile Marine Academy' went into functioning from 3rd September 1962.

Afterwards, during our Great Liberation War 1971, the then Pakistan Government left this academy abandoned. After the war, the academy was resumed by the new government of Bangladesh under the name Bangladesh Marine Academy, Chattogram. The academy continues to train cadets for national and international merchant fleets.

The Academy
Profile

Name	Bangladesh Marine Academy, Chattogram (BMA-C) previous names: Mercantile Marine Academy (1962-1971)
Inspiration	It is Allah who has subjected sea to you.
Excellence	Where the maritime leaders are born!
Type	Full Government Institution
Administrative Organisation	Ministry of Shipping
Monitoring (Academic) Organisation	Department of Shipping
Bachelor Degree (Hons) affiliation	Bangladesh Maritime University (BMU)
Main Courses	Pre-Sea Cadet Training, IMO Model Course 7.03&7.04; Bachelor of Maritime Science (Nautical); Bachelor of Science in Marine Engineering
Ancillary Courses	Post-Sea STCW courses (IMO Model Courses)
Form of Pre-Sea Course	Residential and Regimental
Working Language for Education	English
Yearly recruit of Cadets (Pre-Sea)	180 Cadets including 20 Female (current)
Number of Trained Pre-Sea Cadets	5,600 (1962-2024)
Campus Area	100 Acres
Location	Located in a beautiful picturesque surrounding on the lush-green hills and valleys of Juldia, Chattogram on the East bank of the river Karnaphuly
Website	www.macademy.gov.bd
Contact	Phone: +88 02333314151-6; Fax: +88 02333324160 e-mail: info@macademy.gov.bd, commandant@macademy.gov.bd

International Standing, **Achievement and Awards**

2025 : Memorandum of Understanding (MoU) with the Maritime Academy of Asia and the Pacific (MAAP) was signed on 5 September 2025 which provides opportunity for faculty and cadet exchanges; joint research initiatives; and collaboration on green shipping and digitalization.

2022 : MoU with Solent University (Warsash Maritime School), Southampton, UK for academic collaboration (up to MSc level).

2019 : Achieved “Centre Recognition” of UK Merchant Navy Training Board (MNTB).

2019 : Achieved “Centre of Excellence” recognition of Nautical Institute (NI London) and the Institute of Marine Engineering, Science and Technology (IMarEST), London for meeting the standards of quality education and training.

.2019 : Upgraded status as a ‘Partner Relation’, in place of former Branch, of Word Maritime University (WMU), Sweden.

2018 : MPA Singapore recognized BMA Cadet Training. BMA Engineering cadets are exempted from Part A subjects in Class 2 (Motor) examinations at MPA.

2018 : MoU with Tolani Maritime Institute, India.

2016 : BMA has been awarded with ISO 9001 Quality Certification by DNV-GL.

2016 : WMU Sweden courses commenced at BMA campus.

2014 : A Memorandum of Understanding (MoU) on academic co-operation was signed between WMU and the BMA on 2 April 2014 with specific areas of co-operation in exchange of faculty members; academic and information exchange; and WMU to offer short and long terms courses at BMA.

2010 : Research-attachment with Australian Maritime College (University of Tasmania).

2000 : Enlisted country (Bangladesh) in IMO White List.

2000 : Enlisted Institute in the IMO Compendium.

1990 : A branch of Word Maritime University (WMU) Since 1990 to 2017.

About
the Academy

Facing the Bay of Bengal, the academy is located in a beautiful picturesque surrounding on the lush-green hill tops of Juldia on the East bank of the River Karnaphuli — about 20 kilometers to the South of the port city of Chattogram (Lat. 22° 15' N, long 91 49E). Being situated in a solitary place away from the hustle of a busy port city, the academy provides an ideal academic environment for pursuit of knowledge.

The academy was initially established to impart pre-sea training to the cadets for both nautical and engineering branches. But with the passage of time, the academy has been tremendously expanded to meet the growing demand of the country to train both pre-sea cadets and the post sea merchant marine officers.

Arrangements have now been made to conduct the courses for both deck and engineer officers to prepare them for their professional examinations. A number of ancillary courses have also been introduced in the academy in keeping with the requirements of the international convention on Standards of Training, Certification and Watchkeeping (STCW) for Seafarers, 1978' as amended. The IMO, UNDP and the British Government have provided substantial assistance in terms of equipment and experts to bring the academy to its present state.

Presently, this academy ranks as one of the world's foremost institutions in the field of maritime training and education. It has also been recognized as one of the branches of the World Maritime University, Malmo, Sweden in the year 1989 and presently works as partner organization to conduct short courses of the World Maritime University.

Bangladesh Marine Academy, Chattogram campus is furnished with various simulators which include the full mission navigation and engine simulators. Workshops include machine shop, seamanship workshop and welding workshop. The academy is technologically equipped to be the maritime academy of choice for young students who dream of a disciplined and rewarding future. The academy campus has building blocks with sufficient classrooms, chart room, laboratories, and an auditorium. The academy has complete hostel plus dining facilities to accommodate the needs of the cadets. Recreational and sports facilities are also available, such as play grounds for football, volleyball basketball and swimming pool.

Vision, Mission, Objectives and **Quality Policy of the Academy**

Vision

Developing World-Class Maritime Leaders!

Mission

Emerging as a leading maritime education, training and research facilities provider in the shipping world through continuous innovation and endeavors.

Objectives

- To explore and recognize the potential sea faring talents, suitably train them and make them adequately equipped with officer-like qualities so as to groom them up as future leaders in all fields, especially in the field of shipping and guide the men under their command with ability and confidence;
- To give such co-curricular, extra-curricular and disciplinary training which will enable a cadet to take his place as an officer of the merchant marine and face with courage, endurance and fortitude, the rigorous of a life and career at sea;
- To develop in cadets, through constant guidance and supervision a sense of purpose, loyalty, devotion to duty, uprightness, adaptability under all trying circumstances, pride of profession and spirit of service which will make them valuable and distinguished members of their profession and proud citizen of Bangladesh;
- To achieve a minimum academic and professional standard which will enable the cadets to appear in the Class-III (Deck and Engineer) examination after completion of prescribed sea training on board; and
- To provide them with a sound background in management and technical skills so that following service at sea, they may take leadership positions ashore in different maritime and industrial sectors.

Quality Policy

Bangladesh Marine Academy is keen to keep up the standard of its education and training programme according to the requirements of STCW'78 as amended, as well as to the requirements of the national curriculum and to enhance the customer satisfaction.

Therefore, the academy is committed to constitute, promote and propagate throughout the institution, a culture of quality and continual improvement in all of its programmes of learning for all levels of Maritime Education and Training (MET).

Academy Administration

The command of the Academy is vested on the Commandant. He is responsible for the smooth functioning of the Academy as a whole. He supervises all the activities like conduct, discipline, education and training of the cadets.

Governing Body

There is a governing body headed by the Senior Secretary/Secretary, Ministry of Shipping. The distinguished members comprise of representatives from government, autonomous and private organizations. The main functions of the governing body are to provide directives with regards to maintain the Marine Academy as a centre of maritime excellence, financial management analysis, evaluation of standards of training and trainees and to evaluate effectiveness of the training.

The composition of the governing body is as follows:

- Senior Secretary/Secretary, Ministry of Shipping – Chairman;
- Joint secretary (admin), Ministry of Shipping – Member;
- Joint secretary, Ministry of Finance – Member;
- Director General, Department of Shipping – Member;
- Chairman, Chattogram Port Authority – Member;
- Managing Director, Bangladesh Shipping Corporation – Member;
- Principal, National Maritime Institute – Member;
- Professor (representative of VC), CUET – Member;
- President, Bangladesh Ocean Going Ship Owners Association – Member;
- President, Bangladesh Ship Manning Agent Association – Member;
- Representative of VC, Bangladesh Maritime University – Member; and
- Commandant, Bangladesh Marine Academy, Chattogram – Member Secretary

Academic Council

The Academic council is responsible for supervision and direction of the academic program, instruction, education and admission process.

The composition of the academic council is as follows:

- Commandant – Chairman;
- Deputy Commandant – Member;
- Chief of Nautical Studies – Member;
- Chief Engineer – Member;
- Chief Education Officer – Member; and
- Adjutant – Member Secretary

Divisional Officers

Department heads perform the duties of divisional officer. They oversee the training, discipline, and welfare of the cadets.

- Fore top Division – Divisional Officer – Chief Engineer;
- Main Top Division – Divisional Officer – Chief of Nautical Studies;
- Mizzen Top Division – Divisional Officer – Chief Education Officer

Education and Training curriculum

Bangladesh Marine Academy, Chattogram offers pre-sea courses for both nautical and engineering stream and also various preparatory courses for Certificate of Competency (CoC) examinations, as well as a number of ancillary courses in accordance with IMO STCW'78 as amended.

At the same time, the academy offers 4-year Bachelor of Maritime Science (Nautical) and Bachelor of Science in Marine Engineering under affiliation with Bangladesh Maritime University.

The pre-sea nautical and marine engineering course at Bangladesh Marine Academy, Chattogram are the initial phase of a Bachelor of Maritime Science (Nautical) / Bachelor of Science in Marine Engineering, which takes 24 (twenty-four) months to complete at the academy. This is followed by 12 (twelve) months of on-board training at sea, and then a final year at the academy to complete the bachelor degree.

Course Structure

Phase 1 (Academy): 24 months of pre-sea training at the academy (4 terms/semesters with structured curriculum).

Phase 2 (On-Board): 12 months of sea service on a ship, where cadets receive a salary (To complete on-board training record book).

Phase 3 (Academy): 12 months of final studies at the academy to complete the undergraduate degree (2 terms/semesters with structured curriculum).

Nautical Stream Education and Training Programme description

Bachelor of Maritime Science (Nautical) is a fully integrated professional course of study for the persons willing to prepare themselves for variety of careers in the shipping sector, merchant marine, and other maritime related organizations. Cadets get sufficient practical training at sea and in various shore based industrial establishment during their 4-year course. The objective of Bachelor of Maritime Science (Nautical) programme is to provide:

- Knowledge, understanding, proficiencies, skills, competences, moral upright, attitudes and values to qualify and prepare them for certification as Officer of the Watch (OOW) at Bridge on seagoing vessels in both usual and extreme situation;
- Sufficient practical orientated training at sea and on simulator so that they are well conversant about their profession and become confident in practical field;
- Produce graduates who are qualified to pursue a professional career or advanced studies in a related maritime field of specialization;
- Demonstrate the ability to perform the competence, at the operational level under Section A-II/1 of the STCW (International Convention on Standards of Training, Certification and Watch keeping for Seafarers) Code;
- Apply knowledge in mathematics, science and technology in solving problems related to the profession and the workplace;
- Work in a multi-cultural and/or multi-disciplinary team;
- Understand professional and ethical responsibilities;

- Communicate effectively in oral and written English;
- Understand the impact and implications of various contemporary issues in the global and social context of the profession;
- Engage in lifelong learning and keep abreast with developments in the field of specialization and/or profession;
- Use appropriate techniques, skills and modern equipment in the practice of the profession in order to remain globally competitive; and
- Conduct research using appropriate research methodologies.

Nautical Cadets career prospect

The passed-out cadets can find rewarding careers in the exciting, worldwide maritime sectors. The following list give an indication of the type of maritime positions available to them:

- Sailing positions (Deck cadet to Master mariner);
- Marine Pilot;
- Ship building and repair ;
- Ship operations and management;
- Port operations and management;
- Ship surveying and inspection;
- Offshore industry;
- Maritime Education and Training;
- Industrial and commercial establishment;
- Port Captain;
- Traffic Manager;
- Safety Director;
- Shipbreaker;
- Marine Insurance;
- Salvage, Towing.

List of Courses for Nautical stream

1st Year 1st Term		
Code	Course Title	Credit
BMST 1101	Applied Physics	3
BMST 1103	Applied Mathematics	3
BMST 1105	Bangladesh Studies	3
BMST 1107	Ship Construction and Stability- Paper I	3
BMST 1109	Meteorology and Ocean Science- Paper I	3
BMST 1111	Principles of Navigation	3
BMST 1102	Basic Seamanship Practice Sessional	1.5
BMST 1104	Signaling & SMCP Sessional	1.5
Total		21

1st Year 2nd Term		
Code	Course Title	Credit
BMST 1201	Fundamentals of Electronics & Computer	3
BMST 1203	Mathematics for Navigators	3
BMST 1205	English and Communication Skills	3
BMST 1207	Maritime Conventions	3
BMST 1209	Shipboard Operation and Cargo Work Paper I	3
BMST 1211	Leadership, Teamwork and Principles of Management	3
BMST 1202	Electronics and Computer Sessional	1.5
BMST 1204	Shipboard Instruments Sessional	1.5
Total		21

2nd Year 1s term		
Code	Course Title	Credit
BMST 2101	Environmental Science and Prevention of Marine Pollution	3
BMST 2103	Marine Engineering and Control System	3
BMST 2105	Celestial and Ocean Navigation- Paper I	3
BMST 2107	Ship Construction and Stability-Paper II	3
BMST 2109	Electronic Navigation System	3
BMST 2111	Chart Work- Paper I	3
BMST 2113	Collision Prevention Regulation- Paper I	3
BMST 2102	Advance Seamanship Sessional	1.5
BMST 2104	Watch Keeping Sessional	1.5
Total		24

2nd Year 2nd term		
Code	Course Title	Credit
BMST 2201	Meteorology and Ocean Science Paper II	3
BMST 2203	Cargo and Shipboard Operation- Paper II	3
BMST 2205	Celestial and Ocean Navigation-Paper II	3
BMST 2207	Ship Construction and Stability- Paper III	3
BMST 2209	Radar Navigation and Advance Navigation Technology	3
BMST 2211	Chart Work-Paper II	3
BMST 2213	Collision Prevention Regulation- Paper II	3
BMST 2202	Shipboard Operational Sessional	1.5
BMST 2204	Bridge Team work and resource management Sessional	1.5
Total		24

3rd Year		
Code	Course Title	Credit
BMST 3102	On board Training An approved seagoing service of not less than 12 months as part of an approved training program, which includes onboard training that meets the requirements of section A-II/1 of the STCW Code and is documented in an approved training record book.	16
BMST 3104	Alternative Students may perform 12 months apprenticeship in a ship management, owners, or agency company, port authority, Ship yard, dry-dock, marine workshop or any other similar organization approved by Bangladesh Maritime University.	16
Total		16

4th Year 1st Term		
Code	Course Title	Credit
BMST 4101	Research Methodology & Professional Ethics	3
BMST 4103	Advance Navigation	3
BMST 4105	Cargo Operation & Stability	3
BMST 4107	Ocean & Offshore Navigation	3
BMST 4109	Coastal Navigation	3

BMST 4111	Meteorology for Navigators	3
BMST 4113	Advance Ship Knowledge	3
BMST 4115	Bangla Language	3
BMST 4102	Signaling, Distress and Maritime Communication Sessional	1.5
BMST 4104	Watch keeping, Seamanship and Safety Sessional	1.5
Total		27

4th Year 2nd Term

Code	Course Title	Credit
BMST 4000	Thesis on Maritime Topics	6
BMST 4201	Maritime Law, Insurance and Risk Management	3
BMST 4203	Shipboard, Shipping and Port Management	3
BMST 4205	Basic Computer Programming	3
BMST 4202	Bridge Navigation and GMDSS Sessional	1.5
BMST 4204	Computer Programming Sessional	1.5
	(Any Three from the following subject can be taken)	3x3=9
Total		27
BMST 4221	Advance Oil Tanker Cargo Operation	3
BMST 4223	Advance Chemical Tanker Cargo Operation	3
BMST 4225	Maritime Economics	3
BMST 4227	Maritime Safety and Environment Administration	3
BMST 4229	Integrated Coastal and Ocean management	3
BMST 4231	Advance Marine Technology	3
BMST 4233	Marine Surveying and Casualty Investigation	3
BMST 4235	International Trade and Ship Chartering	3
BMST 4237	Shipping Accounting and Finance	3

Grand Total = 21+21+24+24+16+27+27 = 160 Credits

Education and Training in the Engineering Stream

Programme description and its objectives

The Bachelor of Science in Marine Engineering is a 4-year undergraduate programme of Bangladesh Maritime University (BMU) that imparts knowledge and skills necessary for operation and maintenance, as well as controlling the operation of the ship and care for persons on board at the operational level of marine engineering. Specific objective of Bachelor of Science in Marine Engineering Programme is to:

- Equip students with knowledge, understanding, proficiencies, skills, competences, attitudes and values to qualify for certification as Officer-in-Charge of an Engineering Watch in a manned engine room or designated duty engineer officer in a periodically unmanned engine room on seagoing ships powered by main propulsion machinery of 750 kW propulsion power or more;
- Produce graduates who are qualified to pursue a professional career or advanced studies in a related maritime field of specialisation;
- Demonstrate the ability to perform the competence, at the operational level under Section A-III/1 of the STCW Code;
- Apply knowledge in mathematics, science and technology in solving problems related to the profession and the workplace;
- Work in a multi-cultural and/or multi-disciplinary team;
- Understand professional and ethical responsibilities;
- Communicate effectively in oral and written English;
- Understand the impact and implications of various contemporary issues in the global and social context of the profession;
- Engage in lifelong learning and keep abreast with developments in the field of specialisation and/or profession;
- Use appropriate techniques, skills and modern tools in the practice of the profession in order to remain globally competitive;
- Conduct research using appropriate research methodologies.

Engineering cadets career prospect

A graduate of the Bachelor of Science in Marine Engineering program is prepared for careers in, among others:

- Sailing position (From cadet engineer to Chief Engineer)
- Ship building and repair;
- Ship operations and management;
- Port operations and management;
- Ship surveying and inspection;
- Offshore industry;
- Maritime Education and Training;
- Industrial and Commercial Establishment;
- Government Service

List of Courses for Marine Engineering Stream

The Syllabus for the 4-Year "Bachelor of Science in Marine Engineering" is according to the requirements of STCW conventions as amended of IMO and that of the Department of Shipping, Government of the People's Republic of Bangladesh for competencies required for "Officer in charge of an Engineering Watch".

Year-1: Semester-1		
Code	Course Name	Credit
	Theoretical	
HUM 1101	English	3
PHY 1101	Physics-I	3
MATH 1101	Mathematics-I	3
ME 1101	Applied Mechanics	3
ME 1103	Engineering Thermodynamics	3
ME 1105	Material Strength & Workshop Process	3
	Practical	
HUM 1102	Maritime English & Communication Skill Sessional	1.5
CSE 1102	Computer Programming & Applications	1.5
ME 1102	Marine Workshop Practices-I	1.5
Total		22.5

Year-1: Semester-2		
Code	Course Name	Credit
	Theoretical	
HUM 1203	Leadership & Professional Ethics	3
PHY 1203	Physics-II	3
MATH 1203	Mathematics-II	3
EEE 1201	Basic Electrical & Electronics Engineering	3
ME 1207	Machine Drawing-I	3
ME 1209	Pump, Refrigeration & Air-Conditioning	3
	Practical	
PHY 1202	Physics Sessional	1.5
EEE 1202	Basic Electrical & Electronics Engineering Sessional	1.5
ME 1204	Marine Workshop Practices-II	1.5
Total		22.5

Year-2: Semester-1		
Code	Course Name	Credit
	Theoretical	
EEE 2103	Marine Electrical Machineries	3
ME 2111	Marine Internal Combustion Engine-I	3
ME 2113	Marine Propulsion & Steering	3
ME 2115	Basic Naval Architecture	3
ME 2117	Marine Boiler & Steam Engineering	3
ME 2119	Fluid Mechanics & Hydraulics	3
ME 2121	Machine Drawing-II	3
	Practical	
ME 2106	Maintenance of Machineries-I	1.5
ME 2108	Marine Workshop Practices-III	1.5

Year-2: Semester-2		
Code	Course Name	Credit
	Theoretical	
CHEM 2201	General Chemistry	3
ME 2223	Marine Internal Combustion Engine-II	3
ME 2225	Machine Drawing-III	3
ME 2227	Applied Heat	3
ME 2229	Marine Fuels & Lubricants	3
ME 2231	Turbocharger & Scavenging Technology	3
	Practical	
CHEM 2202	General Chemistry Sessional	1.5
DEV 2202	Industrial Visit	1.5
ME 2210	Maintenance of Machineries-II	1.5

Year-3		
Code	Course Name	Credit
ME 3002	On-Board Training	12
	Or	
ME 3004	Alternate to On-Board Training (Maritime Apprenticeship)	12
Total		24

Year-4: Semester-1		
Code	Course Name	Credit
	Theoretical	
HUM 4105	Maritime Law & Policy	3
EEE 4105	Marine Electrical Installation & Instrumentation	3
ME 4133	Deck Machineries & Bridge Equipment	3
ME 4135	Maneuvering & Associated Systems	3
ME 4137	Ship Construction & Repair	3
ME 4139	Control Engineering & Mechatronics	3
ME 4141	Maritime Safety & Environmental Science	3
ME 4143	Research Methodology	3
	Practical	
EEE 4104	Marine Electrical Installation & Instrumentation Sessional	1.5
ME 4112	Engine Room Simulator Sessional	1.5
ME 4000	Project & Thesis	-
Total		27

Year-4: Semester-2		
Code	Course Name	Credit
	Theoretical	
HUM 4207	(Bangla Language)	3
HUM 4209	Bangladesh Studies	3
HUM 4211	Maritime Economics	3
EEE 4207	Power System Protection	3
ME 4245	Fuel Combustion System & Energy Efficiency	3
	Optional -1 *	3
	Practical	
DEV 4204	Seminar/Workshop	1.5
ME 4214	Control Engineering & Mechatronics Sessional	1.5
ME 4216	Welding Technology	1.5
ME 4000	Thesis	8
Total		30.5

List of Optional Courses:

Category	Code	Course Name
Optional-1*	ME 4247	Fishing Vessel Technology
	ME 4249	Recycling of Marine Structure
	ME 4251	Power Plant Technology

Grand Total = 22.5+22.5+24+22.5+12+27+30.5 = 161 Credits

Preparatory Courses

Bangladesh Marine Academy, Chattogram, apart from conducting the pre-sea training, also conducts post-sea preparatory courses leading to certificate of competency examinations. Informatively, all training examination and certification in Bangladesh are in conformity with IMO's Convention on Standards of Training, Certification and Watch keeping for Seafarers, 1978 as amended.

Following is a list of Preparatory Courses for Certificate of Competency (CoC) Examination offered by Bangladesh Marine Academy, Chattogram:

- Class 1 and II Deck officer Certificate of Competency for Master and Chief mate
- Class I and II Engineer Officer Certificate of Competency for Chief Engineer Officer and Second Engineer Officer
- Class-III Deck Officer Certificate of Competency Preparatory Course
- Class-III Engineer Officer Certificate of Competency Preparatory Course

Ancillary Courses

Before their employment on board the ship, the cadets are required to attend a few mandatory ancillary courses, namely- Fire Prevention and Fire Fighting, Personal Survival Technique, Medical First Aid, Proficiency in Survival Craft and Rescue Boat, Safety Awareness Training, Designated Security Duties, Personal Safety and Social Responsibility etc. In addition, the academy offers many other ancillary courses in line with the IMO model courses that includes the followings:

- Elementary First Aid;
- Fire Prevention and Fire Fighting;
- Personal Safety and Social Responsibilities;
- Personal Survival Technique;
- Security Awareness Training;
- Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats;
- Advanced Fire Fighting;
- Seafarer with Designated Security Duties;
- GMDSS Radio Operator Course –General Operator's Certificate;
- Basic Training for Oil and Tanker Cargo Operations;

- Radar navigation (Operational Level);
- Ship Safety Officer Training Course;
- Medical First Aid;
- Radar navigation (management level);
- Ship Security Officer course;
- Advance Training for Oil Tanker Cargo Operations;
- Medical Care on-board;
- High Voltage System (Management Level);
- High Voltage System (Operational Level);
- Engine Room Resource Management and Application of Leadership and Managerial Skills (Operation level);
- Engine Room Resource Management and Application of Leadership and Team working Skills;
- Efficient Deck Hand;
- Navigational Aids and Electronic Navigation Systems;
- Bridge Resource Management and Application of Leadership and Managerial Skills;
- Bridge Resource Management and Application of Leadership and Teamworking Skills;
- Operational use of Electronic Chart Display and Information System (ECDIS);
- Preparatory Course for Master Orals (Unlimited) on Ships of 500 Gross Tonnage or More;
- Engine Room Simulator (ERS)

Medium of Instruction

English being the international language of the seafarers, the medium of instruction in the academy is English. In view of this, all the cadets including recruited from foreign countries are expected to possess a sound knowledge of English so that they can fairly express themselves and follow the instructions without any difficulty. All internal examinations for assessment of the progress of the cadets are conducted in English.

Duration of Pre-sea Training

The duration of pre-sea training is spread over a period of two years which has again been split up into four terms, each term is of about 20 weeks duration. The Academy remains close for Summer and Winter vacation - the summer vacation being in between mid-June to mid-August and the winter vacation being in January every year. Short vacations are also been provided during religious festivals.

Theoretical Training

Being a professional training institution adequate emphasis is laid for specialization in the field of nautical and marine engineering, so as to build up a sound foundation. To re-enforce this foundation and facilitate comprehension of the professional subjects, reasonable stress is given in the academic subjects such as Physics, Mathematics etc. This helps polishing the academic talent, develops the personality of the cadet, makes him a well-informed all-rounder and, above all, broadens the horizon of his outlook which are essential ingredients to be a successful officer on board.

Practical Training, Ship Visit etc.

The practical training consists of Power-boat handling, Signaling, Workshop practice, Seamanship, Physics, Electrical, Mechanical, Control Engineering and Computer Laboratories etc.

In addition, regular visits to the ships in the harbour under the supervision of competent instructors are organized so that the cadets acquire a first-hand knowledge of machinery and their operation, maintenance and industrial practice.

Terminal and Passing-Out Examinations

Terminal examinations are held at the end of the 1st, 2nd and 3rd term and final passing-out examinations at the end of the 4th term. In addition, periodical and monthly tests are also taken time to time to assess the progress of the cadets. If any cadet fails to show satisfactory performances in the terminal examinations and if the authority is convinced about his inability to make the grade then the cadet shall be withdrawn from the course or relegated to the next batch at the discretion of the Commandant.

However, based on his previous overall performances and the satisfactory reports of the Heads of Departments, the Commandant may allow him to sit for a supplementary examination in the failing subjects with the next batch cadets.

Passing-Out Parade and Graduation Ceremony

This is the most colourful event in the academy campus. Each batch of cadets march a passing-out parade to mark the successful completion of their education and training in front of distinguished guests, parents etc. Cadets take oath to serve at sea with appropriate sincere effort. They also take their caps off and say, “Long live Bangladesh”. So, the widest sea-door becomes open to them with an internationally accepted Pre-sea training certificate and a graduation from the Bangladesh Maritime University.

Medals and Prizes

The following medals/prizes are awarded to the deserving cadets of every batch at the passing out ceremony:

- The President's Gold Medal for the best all-round cadet of the batch;
- The Ministry of Shipping Silver Medal for the best cadet in the nautical branch;
- The Ministry of Shipping silver Medal for the best cadet in the engineering branch;
- Two BSC prize (book) for securing highest marks in the professional subjects (for both nautical and engineering);
- In addition, a number of prizes are awarded for proficiency in academic subjects and also for outstanding performances in games, sports and other activities.

Number of Cadets graduated from the academy since its establishment

Batch	Year of Passing out	Nautical	Engineering	Total
1st	1964	19	22	41
2nd	1965	17	21	38
3rd	1966	15	17	32
4th	1967	15	19	34
5th	1968	20	21	41
6th	1969	22	23	45
7th	1970	22	22	44
8th	1971	22	21	43
9th	1973	8	8	16
10th	1975	17	18	35
11th	1976	16	10	26
12th	1977	21	21	42
13th	1978	22	21	43
14th	1979	22	24	46
15th	1980	24	24	48
16th	1981	23	24	47
17th	1982	23	23	46
18th	1983	24	23	47
19th	1984	24	23	47
20th	1985	24	24	48

Batch	Year of Passing out	Nautical	Engineering	Total
21st	1986	18	23	41
22nd	1987	20	19	39
23rd	1988	14	14	28
24th	1989	24	26	50
25th	1990	50	50	100
26th	1991	55	55	110
27th	1992	55	54	109
28th	1993	49	49	98
29th	1994	55	54	109
30th	1995	49	47	96
31st	1996	35	34	69
32nd	1997	30	26	56
33rd	1998	30	29	59
34th	1999	30	30	60
35th	2000	27	30	57
36th	2001	38	38	76
37th	2002	30	30	60
38th	2003	29	30	59
39th	2004	30	30	60
40th	2005	30	30	60
41st	2006	34	35	69
42nd	2007	39	41	80
43rd	2008	49	50	99
44th	2009	85	85	170
45th	2010	99	97	196
46th	2011	100	100	200
47th	2012	101	100	201
48th	2013	150	154	304
49th	2014	116	119	235
50th	2015	155	157	312

Batch	Year of Passing out	Nautical	Engineering	Total
51st	2016	130	132	262
52nd	2017	26	25	51
53th	2018	25	26	51
54th	2019	49	55	104
55th	2020	99	93	192
56th	2021	172	187	359
57th	2023	134	138	272
58th	2024	118	120	238
Total		2779	2821	5600

Cadets under training:

Batch	Nautical	Engineering	Total
59th	82	81	163
60th	73	72	145

Electro-Technical Officer Training

In addition to the training for nautical and engineering cadets, Bangladesh Marine Academy offers the 6-month Junior Marine Electro-Technical Officer (JMETO) pre-sea course. Requires a Diploma in Electrical Engineering or a BSc in Electrical and Electronics Engineering (EEE), with maximum age usually 35 for admission into this course. The course is designed to train individuals for employment on foreign-going ships and is approved by the Department of Shipping, Bangladesh.

Our current employers

Our cadets, both male and female, are serving on board following foreign shipping companies with good reputations:

Foreign Shipping Companies

- ONE SEA Solutions, Singapore (Container Vessels)
- K-Line Ship Management (Singapore) Pte Ltd., (Container Vessels);
- Shell Ship Management, Isle of Man, UK (LNG Tankers);
- Qatar Gas Transport Company (Nakilat), Qatar (LNG Tankers);
- Oldendorff Carriers, Germany (Bulk Carriers);
- BW Tankers / Hafnia (BW Group), Singapore (Oil-Chemical Tankers);
- Pacific International Lines (PIL), Pte Ltd., Singapore, (Container Vessels);
- X-Press Feeders, Singapore (Container Vessels);
- Eastaway Ship Management, Singapore (Container Vessels);
- Excelerate Energy, USA (LNG Tankers);
- ASM Maritime BV, Amsterdam, Netherlands (Oil-Chemical Tankers);
- OSM-THOME Ship Management, Singapore (VLCC / Aframax / Oil-Chemical Tankers);
- ASP Crew Management Services Pte Ltd., S'pore, (Oil-Chemical Tankers);
- Wah Kwong Maritime & Transport Holdings, Ltd, Hong Kong (LPG Tankers);
- Sentoku Senpaku Co. Ltd., Osaka, Japan (Bulk Carriers);
- Exmar Ship Management, Antwerp, Belgium (LPG/LNG/Oil-Chemical Tankers);
- AET Tankers, Singapore;
- Synergy Marine, Singapore (Oil-Chemical / Aframax /VLCC Tankers);
- Meiji Shipping Company (MMS), Japan (Oil-Chemical Tankers / Bulk Carriers);
- Chelsea Ship Pte Ltd, Singapore (Container Vessels);
- Wisdom Marine Lines (Wisdom Group), Taiwan (Bulk Carriers);
- V.Group Singapore (Bulk / Tankers);
- Carnival Cruise, USA;
- Navispec Shipping, LLC, UAE (Bulk Carriers);
- Maximus Shipping, Singapore (Oil-Chemical Tankers);
- Laural Ship Management, Singapore (Bulk Carriers);
- Red Sea Marine Services, Jeddah, KSA (Tanker Vessels);
- Sino Trans, China (Container / Bulk Carriers)
- Chi Ocean International Co., Ltd., China (Bulk Carriers)

Bangladeshi Shipping Companies:

- Bangladesh Shipping Corporation (BSC), Chattogram;
- S.R. Shipping (Bulk Carriers);
- Mercantile Shipping Lins (Bulk Carriers);
- Bashundhara LP Gas Ltd, (Bashundhara Group), Dhaka;
- Bashundhara Shipping (Bulk Carriers);
- East Coast Shipping Lines Ltd., (Aframax Tankers);
- Doreen Shipping Lines;
- Doria Shipping Limited (under Synergy Group);
- HR Lines (Karnaphuli Group) Container Vessels;
- Major Shipping & Trading Services (Crown Cement Group), Bulk Carriers;
- Vanguard Maritime Ltd, Chattogram, Bulk Carriers;
- Akij Shipping Lines (Akij Group), Bulk Carriers;
- Hanif Maritime Limited, Bulk Carriers

Training facilities in the academy

Electro-Navigation Aids Centre

The Centre is situated in a quite attractive building having a unique architectural excellence. The 4-storeyed building has been constructed with a real ship like appearance and is surrounded by a water bed which resembles to sea.

The centre is furnished with the following simulator/training equipment:

- Full mission navigation simulator;
- Full mission engine simulator;
- High voltage training simulator;
- Radar navigation simulators;
- Ships radio communication equipment;
- Hydraulic system simulator.

Full mission Bridge Simulator

Bangladesh Marine Academy, Chattogram is equipped with full mission bridge simulator for practical navigation training, including ship handling, watchkeeping, and emergency procedures in a safe, controlled environment. It allows training for complex scenarios like berthing, pilotage, and port entry, and are also valuable for applied research and assessing navigational safety. These simulators are equipped with realistic operational controls, visual displays, and advanced navigational aids to replicate real-world conditions.

The main purpose of a full mission bridge simulator in the academy is to provide a realistic and safe training environment for future officers to develop and practice navigation and bridge resource management skills. It allows them to train for complex, dangerous, or rare situations that are not feasible to recreate at sea, such as handling a ship in heavy weather, maneuvering in confined or complex port environments, or responding to emergencies.

Full mission Engine Simulator

The academy is equipped with a full mission engine room simulator that provides a comprehensive, hands-on training tool for marine engineers that provides a realistic and interactive simulation of a ship's engine room. It allows trainees to practice normal operations and emergency procedures on models of modern and conventional engine systems using virtual or physical control panels, including real throttle controls, breakers, and switchboards. Key features include a virtual engine room environment with 3D and 2D diagrams, a fault library for troubleshooting, and instructor interfaces to manage scenarios and monitor performance.

High Voltage Simulator

High voltage simulator installed at the academy is used to operate and maintain shipboard electrical systems above 1000V through realistic simulations of equipment like circuit breakers, transformers, and generators. The simulator allows for safe practice of normal procedures and emergency response, including fault detection, troubleshooting, and switching operations, as required by the STCW code.

Hydraulic system Simulator

Hydraulic system simulator is installed to provide realistic, hands-on training for marine engineering cadets in the operation, maintenance, and troubleshooting of shipboard hydraulic systems in a safe and controlled virtual environment. The simulator is expected to bridging the gap between theoretical knowledge and practical application, allowing cadets to operate virtual hydraulic systems and analyze their dynamic performance, which is often difficult with real, physical equipment due to safety constraints. It also enables trainees to practice emergency procedures and handle malfunctions without the risks associated with real-world incidents or damage to expensive physical machinery.

Electrical Laboratory

Electrical laboratory experience is an indispensable part of the educational process of engineering cadets and a key factor in preparing them for maritime practical life. The electrical lab is well decorated and equipped with latest and appropriate laboratory equipment. This lab aims at familiarising the cadets with the basic electrical components, their characteristics and applications. Moreover, in this lab the academy is making the cadets aware with the different theorems, laws, networks, circuits, which are the basic building materials of all that huge electrical equipment, motors, generators etc. The lab has all the facilities for 25 cadets to perform 16 experiments at a time.

Mechanical Laboratory

Mechanical laboratory is equipped with various equipment relevant to the area of statics, applied mechanics, fluid mechanics and thermo-dynamics. Over 16 (sixteen) experiments are performed in the mechanical laboratory. 25 (twenty-five) cadets can be accommodated for training at a time. After conducting experiments under the guidance of faculty members, the cadets are expected to have a sound theoretical and practical knowledge and they will be able to demonstrate the ability to identify, formulate and solve real-maritime technical problems.

Physics Laboratory

Physics laboratory is equipped with latest and sophisticated instruments and facilities that provide hands-on practice for cadets. The laboratory houses equipment that allow cadets to explore concepts in classical and modern physics. More than 20 (twenty) experiments, performed in this lab, cover a diverse array of the major topics of physics, including properties of matter, electromagnetism, light, sound, thermo dynamics etc. Presently, 25 (twenty-five) cadets can accommodate in this lab at a given time. Available equipment includes a digital storage oscilloscope, computerised data acquisition, and the specific equipment needed for experiments. Professional personnel are always available to give support to cadets in projects and experiments.

Control Engineering Laboratory

The control engineering laboratory focuses on training future marine engineers to operate and maintain the complex automated systems on modern ships. The hands-on lab exercises, based on international maritime standards, are a crucial part of the practical education for engineer cadets.

The control engineering laboratory ensures that engineering cadets have the practical competency required to maintain and troubleshoot the intricate control systems found on contemporary vessels. This prepares them for careers as engine officers, where a solid understanding of automation is critical for managing ship machinery and responding to system failures.

Computer Laboratory

The academy operates its own computer facility which is reserved for use by the cadets. This computer laboratory is equipped with 50 (fifty) brand new computers. All computers in the laboratory are connected to the hi-speed internet and allow for flash-drive data storage. A variety of software and training video of maritime interest are available on each computer.

Fire Fighting Training School

Firefighting training school in the academy prepares the cadets to prevent, detect, and extinguish fires at sea according to international standards set by STCW'78 as amended. The training includes theoretical instruction and hands-on exercises in controlled, simulated shipboard environments.

The school is well equipped with standard equipment. It offers basic training i.e., Fire Prevention and Fire Fighting (FPFF) course, as well as Advanced Fire Fighting (AFF) course.

The basic course familiarises the cadets on the means and ways on how to minimize the risk of fire on a vessel, teach the use of basic firefighting equipment such as portable extinguishers and hoses, demonstrate practical firefighting techniques and equip cadets with skills to search for and rescue casualties.

On the other hand, Advanced Fire Fighting (AFF) course is offered to experienced mariners designated to control fire-fighting operations. This course enriches the knowledge of the participants on how to lead firefighting teams, use advanced techniques, including ventilation control, to manage shipboard fires, understand the effect of firefighting on ship stability, train with specialised gear such as self-contained breathing apparatus (SCBA) and investigate fire incidents and compile reports.

Library Facilities

Academy library is well neat and tidy library in terms of books, newspapers, periodical and other audio-visual materials. Library can accommodate 150 readers at a time. The library has over 15,000 books including text books. The newspaper and magazines are one of the attractions for the cadets and as well as staff and officers. The academy also subscribes the magazines like Newsweek, Times, Reader's Digest etc.

The library has professional magazines like MAB, Safety Digest, IMO News, IMO Bulletin, Ocean Voice, Marine Scientist, Hydro, Journals of Marine Design and Operations, Shipping World and Ship Builders, MER, Transport International, Discovery, Seafarers Bulletin, World Maritime University Hand Book, Offshore Technology, Seaways, Carrier's at Sea, Computer world, etc.

The library is comprising of different portion, such as, nautical, engineering, academic and as well as general books. It has also a reference section. The library has a cataloguing system too. The Library also provide rare books such as IMO Publication, IMO Model Courses etc. to the instructors and officers.

Engineering Workshop

Workshop training is a prime requisite for successful implementation of academic programmes of the engineering cadets and also a key factor in preparing cadets for maritime practical life. Engineering workshop is equipped with various sophisticated equipment such as, lathe machine, shaper machine, milling machine, drill machine, radial drill, surface grinder, hardness testing machine, tensile testing machine, circular saw, grinder, arc welding, table vice, power saw, hand press so as to provide hands on practical experience for the cadets.

In addition to the above equipment, engineering workshop is installed with oily water separator, purifier, pumps, main Engine components, aux engine components for demonstration purpose.

Hence, in a safe and secure environment for skill development is one of the privileges enjoyed by our cadets. In addition to the cadet training, engineering workshop carries out the maintenance and repair of academy boats and vehicles.

Engineering Demonstration Hall

Besides lecture, laboratory works and workshop training, cadets are exposed to ship engineering system and machineries in demonstration hall. Demonstration hall is equipped to train cadets for operational competences they would require in the workplace, be it on board a ship or shore-based establishment.

Demonstration hall is equipped with generators including synchronising panel, auxiliary boiler, air compressors, centrifugal pump, reciprocating pump, gear pump, screw pump, swash plate pump, ram type steering gear system, rotary vane type steering gear system, steam turbine, main engine piston, cylinder liner, cross head, connecting rod, crankshaft, thrust block, turbo charger, fuel valve testing device, engine bedplate, purifiers as well.

In addition to the above, demonstration hall is provided with hot work training facility. A safe and sound environment has been created within the demonstration hall to train welding, brazing etc.

Engineering workshop is managed by a group of professionals. An officer at the rank of Engineer Instructor is leading the team as officer in charge He is well supported by experienced sub assistant engineers and skilled technicians.

Rowing

The academy has a L-shaped artificial lake, which facilitates a real ship like practical training on the life boat lowering/hoisting and rowing as well. Courses like Basic Survival at Sea (BSS) etc. are being provided for both the pre-sea & post-sea candidates.

Survival Training

Survival training at the academy is a mandatory part of the curriculum, following the international safety standards set by the STCW'78 as amended. Personal Survival Training (PST) course provides cadets with the essential knowledge and practical skills needed to respond effectively to emergencies at sea and maximise their chances of survival.

The cadets learn how to respond to emergencies and understand procedures for situations like collisions, fires, or the ship sinking. They also learn the use of lifesaving equipment, properly don and use personal protective gear, such as lifejackets, immersion suits, and thermal protective aids. They are also made familiar to execute proper procedures for abandoning a vessel, including safe entry into the water from a height, learn techniques for keeping afloat with and without a lifejacket, practice boarding a life raft from the water and righting a capsized one.

In the Proficiency in Survival Craft and Rescue Boat (PSC & RB) course, participants are trained in the use and operation of survival crafts, such as enclosed lifeboats and life rafts, launching procedures i.e., how to safely and efficiently launch lifeboats and life rafts. Also, the participants learn on how to take charge of and navigate a survival craft in open water and techniques for recovering survivors from the water.

Seamanship Training Centre

Seamanship Training Centre in the academy focuses on developing a comprehensive skillset in cadets for safe, effective, and professional work at sea. The training programme combine practical, hands-on experience with theoretical knowledge and are often a prerequisite for certifications, such as Officer of the Watch (OOW). Cadets

learn a full range of essential knots, bends, and hitches. They also master splicing and whipping for repairing ropes and wires.

The training curriculum also covers the proper use and maintenance of tools and machinery for mooring, anchoring, and cargo handling. Further, the cadets learn the safe and correct procedures for handling mooring lines, operating a windlass, and anchoring vessels. They are also trained on shipboard maintenance such as general cleaning, lubrication, painting, and surface preparation techniques, along with safe handling of materials.

Life at the academy

Code of Conduct for The Cadets

An Academy Cadet

- Remains smart, alert and lively at all times;
- Considers his personal cleanliness and the cleanliness of the academy as his personal responsibility;
- Obeys all orders smartly and cheerfully;
- Places duty before any other consideration;
- Does not shrink from any responsibility or duty given to him; in fact, he volunteers to take responsibility;
- Speaks the truth regardless of consequences;
- Is honest;
- Behaves as a gentleman;
- Is ready to do good at all times;
- Learns to admire more than condemn;
- Is fair and just to all irrespective of their religion or place of residence;
- Is broadminded and free from parochial feelings;
- Does all his works by his own hands thus demonstrating dignity of labour in action;
- Does not protect wrong-doers;
- Does not conceal facts or evidence;
- Upholds the good name of the academy at all times;
- Devotes whole-heartedly to his studies;
- Takes an all-round interest in all academy activities;
- Develops an attitude of friendliness to all; service before self; give rather than take; oblige rather than be obliged;
- Wins respect by merit alone (Merit means all round ability and good character);
- Remains cheerful and submissive under all circumstances.

Typical Daily Routine

Saturday to Wednesday

0530	Reveille, make up beds, prayer
0600	PT
0620	Secure P T & start cleanship
0650	Secure cleanship, return cleaning gears, wash & change
0710	Breakfast
0735	Out pipe
0740	Division fall in (Commandant's Division on Mondays)
0745	Colours, march past
0815	Instructional classes commence
1030	Stand Easy-Tea, Bank / Post Office / Dispensary etc.
1100	Instructional classes commence
1315	Secure Instructions
1320	Lunch, prayer and rest
1405	Instructional Class / Workshop / Lab / Sailing / Rowing / Prep (as per routine)
1545	Secure, change into games rig
1555	Tea
1605	Evening quarters-fall in Division-wise in parade ground PTI detail for games
1615	Games-Looked after by PTI, execution of Court of Honour punishment if any, by GI/DCC (Games are optional for Senior Cadets No cadet is allowed to remain in the Cadet Block-OOD to ensure)
1700	Secure games. Then wash & change for prayers
1815	Prep/Library (OOD to supervise)
2000	Secure prep
2010	Dinner
2030	Prayer, Prep/Library/T V (Seniors continue prep/library up to 2130 hr)
2110	Duty top prepare for rounds
2145	Rounds
2200	Lights out, pipe down

Discipline

Ability to give, receive and carry out orders with utmost speed, promptness and precision is of paramount importance for merchant marine officers on board. This can only be expected from those who have developed complete adherence to the norms of discipline which is essentially regarded as cumulative display of qualities of head and heart, sound training and professional competence etc.

As such, due emphasis is laid on these aspects and the whole training programme and the activities of the academy are designed to achieve this goal i.e., a high standard of discipline as in the Marine/Naval Academies and similar other institutions of the world. The Commandant of the academy reserves the right of dismissing any cadet at any time from the course or awarding any other suitable punishment in the event of breaches of rules of discipline of the academy.

The Regimental Training (PT and Parade)

The regimental life of the academy is a vital part of a cadet's total educational experience. All cadets shall have to meet the requisite standards of conduct and discipline. The regimental programme is carefully designed to provide the cadets with leadership training and experience. So, the cadets groom to have self-discipline, responsibility for effective citizenship, careers as officers and leaders in Maritime Industry.

Although the cadets devote most of the time to attend classes, laboratories, seminars and study, they find that the regimental system also makes demand on their time. The academic and regimental, both of these areas of life are highly compatible and essential for sea.

It is expected that all fresh cadets will develop a positive attitude to participate fully in the regimental and academic programmes at the academy.

Cleanship

Cleaning of the cadet block, academy premises is a part of the daily routine. Cadets to attend the cleaning programme without hesitation to keep the accommodation neat and clean and ship shape condition.

Religious Activities

Cadets in the academy are always inspired to take part in the religious activities. Special attention is given for strict adherence to regular prayers. All the festivals/ special prayers are observed with great concern and importance. The academy has its own mosque for the Muslim cadets. Special arrangement is done for the cadets with other faith.

Medical Facility

There is a medical instructor appointed in the academy. Also, there are medical assistants to assist him. In addition, there is an urban dispensary inside the academy campus, run by the Ministry of Health and Family Welfare. The dispensary is headed by a qualified medical officer. In case of minor diseases of cadets, all the medical assistances including medicines, if available in the stock, are provided free of charge from the dispensary. The cost of medicines, not available in the dispensary but prescribed by the medical officer, is to be borne by the cadets concerned.

In the event of serious diseases, cadets are shifted to the Chittagong Medical College Hospital where all the modern facilities for treatment and expertise services are available. The guardians of such cadets will be required to bear all the expenses for the treatment including cost of medicines and specialist, x-ray and test fees, if required.

Games and Sports

In addition to keep one physically fit, games and sports instill important human qualities, namely, concentration, alertness, coolness, courage, self-control, sense of team spirit and comradeship. Organised games in the Academy comprises of football, volley ball, basketball,

cricket, tennis, badminton, swimming and athletics. Also, facilities exist of indoor games namely, Carrom, table tennis and chess. Participation in games I sports by each and every cadet is a must. To develop a healthy spirit of competition and comradeship, regular inter divisional and interclass competitions are held and also competitive matches with reputed outside college teams are organized at regular intervals.

Cadets accommodation and dining facilities

During 2- year of pre-sea training in the academy, cadets are to reside in the cadet hostel within the campus for which no charges are to be paid. Regarding food, the following shall be the normal composition of daily menu:

- Breakfast: Egg, Bread/Paratha, Butter/Jelly, Tea;
- Stand easy Tea: Biscuits/Noodles/Sliced Cake, Tea;
- Lunch: Rice, Beef/Chicken/Fish, Green Vegetables, Dal, Salad, Seasonal Fruits;
- Evening Tea: Biscuits/Samosa/Cream roles/Jilapi, Tea;
- Dinner: Rice, Beef/Chicken/Fish, Green Vegetables, Dal, Salad, Sweets

Extra-Curricular activities

Facilities exist to facilitate the cadets to give free vent of their creative faculties. All avenues of recreation, sociability, hobbies, literary and cultural activities and spiritual guidance are amply provided. On important national days religious and other festivities cadets are encouraged to organize short plays, cultural functions, symposiums and speeches befitting to the occasion. To break the monotony, sometimes excursion and visits are organised to places of scenic beauty and of historical interest.

Leave and Liberty

All cadets are granted ample time of leave during religious festivals. The Academy remains closed for summer and winter vacations for approximately two and a half months in total. Cadets are granted weekend shore leave (liberty) on Fridays (morning 0900 hours to 1700 hours). This facility allows cadets to go ashore once in every three weeks.

A leave or liberty may be curtailed if a cadet's conduct is found unsatisfactory. The Divisional Officers/OODs may extend, reduce or cancel leave or liberty when it deems that such action would be in the best interests of the Academy.

Payment of tuition fees and other charges

At present, cadets need to pay a total of Taka 1,00, 000 (one lakh taka only) for the 2 -year pre-sea training in the academy that include tuition fees, food charges, books and stationary charges, magazine charges, religious subscription, laundry charges, sports subscription, barber charges etc. However, the government may increase the fees without any prior notice, if necessary. Tuition fees and other charges are payable on yearly basis in advance. First year dues are payable by the newly selected cadets as per instructions to be given in the call up notice. Second year dues are payable before 15th December. In all cases, payments are to be made through a Crossed Bank Draft/Pay order on Sonali Bank, Bangladesh Marine Academy Branch, Chittagong.

Why choose a career at sea

Choosing a career at sea offers a unique combination of competitive pay, extensive travel opportunities, and a break from the traditional 9-to-5 office lifestyle. It provides excellent job security due to global trade needs, significant time off for personal pursuits, and a chance for rapid career advancement based on gaining experience. The work environment fosters strong teamwork and communication skills, while offering diverse and exciting experiences not found on land.

Seafaring jobs often provide salaries that are competitive with or higher than land-based professions, and the potential for significant savings is high. In addition, a significant advantage is the long periods of leave, allowing for extended vacations and more control over personal time compared to many land-based jobs. Further, as the maritime industry is a fundamental part of global trade, it makes seafaring a stable and secure career path.

The career at sea also provide the opportunity to travel the world, visit new places, and experience different cultures. It also provides a unique opportunity for skill development as the work provides unique and diverse experiences, such as operating specialised equipment, and develops transferable skills like problem-solving, and technical proficiency.

It also offers rapid career advancement. Career progression is often based on sea time and passing examinations, which can allow for faster advancement than in many land-based roles.

Admission into Bangladesh Marine Academy, Chattogram

Cadets for Pre-sea training in Bangladesh Marine Academy, Chattogram is selected in accordance with the “Combined Admission Test for Cadet Admission to Maritime Education/ Training Institutions Policy” being revised time to time.

Admission Process:

- With the approval of the Ministry of Shipping, the Department of Shipping initiates the admission process including conduct of the examinations;
- The Department of Shipping advertises in leading newspapers and electronic media indicating application fees inviting applications from the intending candidates. Will also make arrangements for submission of on-line application;
- Candidates, eligible in all respects, to fill in the prescribed on-line application form carefully as per instructions. The applicants to mention their choices of academies, department etc. during the submission of online application.

Selection procedure

- Ministry of Shipping determines the number of cadets to be admitted in Maritime Academies based on the demand in the Job market and on the capacity of the academies;
- For the scholarships of the international cadets “Bangladesh Marine Academy International Scholarship for small Island Developing States (SIDS) from Africa, Caribbean Pacific and LDC’s of Africa Policy-2025” is applicable;
- The eligibility of the applicants will be determined in accordance with the “Bangladesh Merchant Shipping Officers and Ratings Training, Certification, Employment, Workhours and Watch-keeping Rules, 2011”.

Academic qualifications of the applicants:

The minimum academic qualification for the candidates for selection as cadets are as under:

- Secondary School Certificate (SSC) in Science group with GPA 4.0 (in 5.00 scale); and
- Higher Secondary School Certificate (HSC) or equivalent in Science group with GPA 4.0 (in 5.00 scale) with 60% marks in Physics and Mathematics separately; or GPA 3.5 (in 5.00 scale) and 50% marks in English; if marks in English is less than 50% or GPA is less than 3.00 that can be compensated by achieving overall 5.5 score in IELTS;

OR

- O-level certificate with minimum "C" grade in total 5 (five) subjects including Physics, Mathematics and English;
- A- level certificate with minimum "C" grade with Physics and Mathematics.
- Ministry of Shipping may amend the requirement of academic qualification, as necessary.

Physical Requirements

- Maximum age: 22 years;
- Height: Male: 5'-4" Female: 5'-2";
- Weight: Standard as per body mass Index of World Health Organization (BMI: Minimum-17, Maximum-25);
- Eye Sight: For Nautical Cadets: 6/6; For Engineering Cadets: 6/12 (6/6 with spectacle)

Selection of candidates:

Selection of the cadets is made through 5 (five) stages, namely:

- Written examinations;
- Preliminary physical test;
- Viva voce,
- Psychometric test and Eye test; and
- Final Medical Examination.

Written Examination

- After scrutiny of completed on-line applications, candidates, who are found eligible in all respects, is allowed to sit for a written examination of 100 (one hundred) marks;
- Written examination will be held in 4 (four) subjects; namely Physics, Mathematics, English, and Bangladesh & General Knowledge. Marks distribution in each subject will be 25 (twenty-five);
- Pass marks in the written examination is 50%. However, 50% marks in English is a must;
- Admission Committee determines the number of candidates to be called for primary physical test among those who pass the written examination.

Preliminary Physical Test

Candidates need to fulfil the following requirements in the preliminary physical test:

- Run up - 400 meter;
- Push up-10;

- Rope Climbing- Minimum 3 (three) meter;
- Swimming: 60 (sixty) meter swimming at a stretch.

Viva-Voce Test

- Candidates declared successful in the preliminary physical examination will appear for viva-voce test before an interview board constituted by the examination committee. Examination Committee will form necessary number of boards for viva-voce test;
- The date, time and place of interview will be notified by the Examination Committee in due course;
- Viva-voce test will carry no marks separately. The Board will assess/judge the suitability of a candidate based on speech, expression and physical ability as mentioned in physical qualification section.

However, a candidate may focus on the followings before appearing in the viva-voce tests:

- Personality: This includes bearing, smartness, general appearance and overall confidence of a candidate.
- Speech and Expression: This includes whether a candidate can express himself effectively, clearly and logically and also his pronunciation, intonation and accent.
- Intelligence: This includes a candidate's presence of mind, quickness in uptake, wit and humor and common sense.
- Knowledge: This includes a candidate's general knowledge, knowledge of national and international current affairs and of general science as applicable to daily life, and also to maritime affairs. A candidate is expected to have a good background knowledge of maritime affairs, which includes reading of newspapers.

Psychometric test and Eye test

- Admission Committee determines the number of candidates to be called for Psychometric test and Eye test based on the number of seats in the Marine Academies. Psychometric test and Eye test are conducted by appropriately qualified organisations/experts. Department of Shipping/Mercantile Marine Office will assist in the lantern test.
- A sight test comprises a letter and lantern test taken in that order. The tests are conducted under the strict personal supervision of a Sight Test Examiner. Candidates are cautioned that when taking the lantern test, they should not attempt to hurry.
- Carelessness of the candidates may cause failure and thus prevent the candidate from taking up a chosen career at sea. Candidates should be in good health when taking the test otherwise their vision may be impaired.

Candidates, who qualify in the psychometric test and eye test will be examined medically by a Medical Board after which the candidates will be eligible for admission.

After selection of required number of cadets for both the Nautical and Engineering branches from the merit list, the remainders are placed in the waiting list in order of merit. The finally selected cadets must join the academy on the specified date and time failing which their selection shall also stand cancelled. No appeal against this cancellation shall be entertained.

Final medical examination and completion of admission process

- The Department of Shipping publishes a combined merit list in its website based on the marks obtained in the written examination and successful completion of the physical, viva-voce, psychometric and eye test;
- Concerned Marine Academy confirms on the physical fitness of the candidates based on the IMO Protocol. Also, the academy undertakes declaration from the candidates that he is not suffering from any long term/critical diseases;
- Final medical test is done in accordance with "Bangladesh Merchant Shipping Officers and Ratings Training, Certification, Employment, Workhours and Watch-keeping Rules, 2011" and the standard approved by the government;
- To be declared as medically fit for admission to the Academy, a candidate must be in good mental and bodily health and free from any physical defect likely to interfere with the training or be an obstacle for a career at sea.

The following points will be particularly observed:

- That the candidate's hearing in each ear is good and that there is no sign of disease of the ear;
- That the candidate's speech is without impediment;
- That the candidate's teeth are in good order and that he is provided with dentures where necessary for effective mastication;
- That the candidate's chest is well formed and lungs field is found clear by x-ray examination, and that his heart is sound;
- That there is no evidence of any abdominal disease;
- That the candidate is not ruptured;
- That the candidate does not suffer from hydrocele, a severe degree of varicocele varicose veins of piles;
- That the candidate's limbs, hands and feet are well formed and developed and that there is free and perfect motion all his joints;
- That the candidate does not suffer from any inveterate skin disease;
- That there is no congenital malformation or defect;
- That the candidate does not bear traces of acute or chronic disease pointing to an impaired constitution;
- That the candidate bears marks of efficient vaccination; and
- That the candidate is free from communicable disease.

Candidates will be required to bear the expenses in connection with the final medical examination.

Allocation of Branch

Allocation of Branches (i. e. Nautical & Engineering) to a selected candidate shall be made on the basis of the first preference given by the candidate himself in the application form and eye sight and colour vision test results. Preference, once given, shall be treated as final. Candidates are, therefore, advised to be quite clear in their minds as to which branch, they will prefer, keeping in mind their aptitude and condition of eye sight and colour vision.

Transfer from nautical branch to engineering branch or vice versa will be considered only on exceptional circumstances at the discretion of the Commandant.

Advice to the Finally Selected Candidates

From the very following day of their reporting at the academy, the cadets are to undergo a rigorous physical/parade training and develop a habit of early rising from, and early going to the bed. The finally selected candidates are therefore, advised to develop these habits including physical exercise on self-help basis prior to their joining so that the academy life does not appear to be a surprise to them. This will also help them acquire adaptability with the changed environment in the shortest possible time.

Verification of Character and Antecedents

The final selection and acceptance of a candidate for cadetship in the academy subjects to thorough verifications of his character and antecedents by relevant government agencies. Since the process of verification is a long and time consuming one, the selected candidates are allowed to join the academy provisionally pending receipt of final verification reports.

However, if any unsatisfactory or adverse report on the character and antecedents of a selected candidate is received at a later stage, his cadetship shall immediately be terminated and shall be withdrawn from the academy. All the expenses incurred by the academy in respect of such a candidate shall have to be paid by the guardian of the candidate in full. No appeal against this termination of cadetship and withdrawal from the academy shall be acceptable.

Indemnity Bond

Every cadet selected for admission into the Marine Academy shall be required to furnish, at the time of admission, an Indemnity Bond in prescribed form stating:

a)That the cadet shall not leave the Academy before completion of his training/study without obtaining prior permission from the Commandant. In case of such departure, he will not be allowed to join again.

b)That on completion of his training the Cadet shall serve the Bangladesh Merchant Navy or any other allied organizations as may be required of him by the Government for a minimum period of five years.

The bond will have to be furnished jointly by the cadet and the Surety in presence of two witnesses. If the cadet fails to fulfil condition (a) the cadet and the Surety shall be jointly & severally liable to make payment on demand, to the President of Bangladesh a penalty of Tk. 5,000.00 (Taka five thousand) plus all the expenses incurred for his recruitment, food, lodging, training and the term dues decided by the Commandant.

If the Cadet fails to fulfil condition (b) the Cadet and the Surety shall be jointly and severally liable on demand to make payment to the President of Bangladesh a sum of Tk. 75,000.00 (Taka seventy-five thousand) the cost incurred for training/study of the cadet.

Female Cadet Training

Since 2012, the academy has been training female cadets with over 100 women recruited for various roles, including navigation officers, marine engineers, and senior management positions. Presently 20 (Twenty) female cadets are admitted into the academy every year.

Training Facilities for Foreign Cadets

Adequate facilities are available for imparting training to the cadets from friendly countries. In the past, cadets from Iran and Malaysia have successfully completed their training in this academy. The minimum educational standard required for foreign cadets seeking admission in pre-sea course to the academy is equivalent to the HSC (Science group with Physics and Mathematics) in Bangladesh along with workable knowledge in both written and spoken English. However, permission from the Ministry of Shipping is required to commence such training.

Further, eligible candidates from Small Island Developing States (SIDS) from Africa, Caribbean Pacific and LDC's of Africa may apply for "Bangladesh Marine Academy International Scholarship for small Island Developing States (SIDS) from Africa, Caribbean Pacific and LDC's of Africa".

Visit of Dignitaries

The honourable Minister/Adviser, Ministry of Shipping and Senior Secretary/Secretary, Ministry of Shipping visit the academy during the passing out ceremony and other important occasions. In addition, high officials from international organizations including IMO Secretary General visits Bangladesh Marine Academy, Chattogram, that highlights its international standing and the importance of its maritime training programs. During these visits, dignitaries are greeted with special ceremonies like Guard of Honour parades by the cadets. They often inspect the academy's modern training facilities such as the navigation and engine simulator etc.

These occasions also feature official speeches and interactions with cadets and faculty, reinforcing the academy's role in producing world-class maritime professionals. So far, 5 (Five) IMO Secretary General stepped into Bangladesh Marine Academy, Chattogram since 1980.

Mr. C P Srivastava visited the academy on 03 Jan 1980

Mr. Eftimios E Mitropoulos visited the academy on 13 Jan 2011

Mr. Koji Sekimizu visited the academy on 25 Jun 2013

Mr. Kitack Lim visited the academy on 28 Aug 2017

Mr. Arsenio Domiguez visited the academy on 01 Jun 2024

The ongoing development Project

"Modernisation of Bangladesh Marine Academy, Chattogram through Infrastructure Reformation"

The project "Modernisation of Bangladesh Marine Academy, Chattogram through Infrastructure reformation" is a government initiative focused on upgrading infrastructure of the academy. As the nation's premier and oldest maritime training institute, BMA's modernisation will ensure that the cadets receive world class living and learning environment.

The project will construct the following key campus buildings:

- Construction of Marine Workshop Building;
- Construction of Seamanship Building and Survival Station;
- Construction of RADAR Building;
- Construction of Demonstration Hall;
- Construction of Auditorium Building;
- Construction of Swimming Pool and Gymnasium;
- Construction of 4-storeyed mosque;
- Construction of 3rd and 4th floor of Administration Building;
- Construction of 4-storeyed building with 6-storeyed foundation for officers (2 Nos);
- Construction of 4-storeyed building with 6-storeyed foundation for Staff (2 Nos);
- 4-storeyed bachelor quarters with 6-storeyed foundation (2 Nos);
- Construction of Main Guard Room, Sub-station, Pump House and Deep-tube well;
- Construction of perimeter walkway, Boundary wall, Compound Drain and others; and
- Equipment for 1000 KVA Sub-station, 500 KVA generator, Submersible pump, Solar PV system and other electrical works..

Approved Design of Swimming Pool

Approved design of Workshop and Seamanship block

Approved design of Auditorium

Approved design of Mosque

Officers Dormitory Building under construction

Staff Quarters under construction

Staff Quarters under construction

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