

AUTHORITY TO OPERATE

In accordance with the pertinent provisions of Republic Act (RA) No. 7722, otherwise known as the "Higher Education act of 1994," and by the virtue of Commission en Banc (CEB) **Resolution No. 006-2017**, the Government Authority is granted to Maritime Academy of Asia and the Pacific (MAAP) to operate the **BS Marine Engineering (BSMarE) Bridging Program for BSME, BSEE and BSECE**, effective January 10, 2017.

BS MARINE ENGINEERING

The Bachelor of Science in Marine Engineering is a higher education degree program that deals with the study of marine propulsion system, its 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.

PROGRAM EDUCATIONAL OBJECTIVES

- ◆ Provide and equip students with knowledge, understanding proficiencies, skills, competencies, attitudes and values to qualify and prepare them for Examination, Assessment, Licensing and Certification as Officer-in Charge of an Engineering Watch (OIC-EW) 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; and
- ◆ Produce graduates who are qualified to pursue a professional career or advanced studies in a related maritime field of specialization

PROGRAM OUTCOMES

- ◆ 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 global and social context of the profession
- ◆ Engage in lifelong learning and keep abreast with the developments in the field of specialization and/or profession;
- ◆ Use appropriate techniques, skills and modern tools in the practice of the profession in order to remain globally competitive; and
- ◆ Conduct research using appropriate research methodologies

CEC MISSION

To provide dynamic and relevant educational programs by offering courses which address industry-specific concerns in order to ensure the primacy of the Filipino seafaring leader in the world maritime industry.

CEC VISION

CEC envisions itself to be a leading maritime innovative education center for the fully employed learner seeking to become a professional maritime manager and business leader for the country and the world.

CEC QUALITY POLICY

CEC is committed to manage a quality education and training environment addressing specific concerns responsive to the development needs of the local and global maritime industry.

CONTACT DETAILS

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MARITIME ACADEMY OF ASIA AND THE PACIFIC CONTINUING EDUCATION CENTER

Associated Marine Officers' and Seamen's Union of the Philippines PTGWO-ITF
Kamayay Pt., Brgy. Alas-asin, Mariveles, Bataan

BRIDGING PROGRAMS

BS Mechanical Engineering

BS Electrical Engineering

BS Electronics and Communications Engineering



BS Marine Engineering

BRIDGING PROGRAM

A distinct program designed to new competencies of BSME, BSEE and BSECE programs with that of the BSMarE program—in accordance with CMO No. 35, series of 2015 in line with CMO No. 67—thus, a program that is transitional on purpose, one which retrofits land-based engineering programs to one of a program fit for sea-based application.

BSME-BSMarE Curriculum

Courses	STCW Function	Units
MAR ENG (Maritime English)	F4	3
MACH SHOP 4 (Machine Shop 4) (Abridge 1,2 & 3) - Hands On	F3	1
ICHEM (Industrial Chemistry and Tribology)	F1	3
AUTO 2 (Marine Automation)	F2	4
AUX MACH (Auxiliary Machinery 3) (Aux Mach 1 & 2) Operation of Different Engine Room Machineries	F1	2
MGMT 1 (Leadership and Teamwork)	F4	3
ELECTRO 3 (Marine Electricity and Electrical Maintenance)	F2	5
MARENV (Protection of the Marine Environment)	F4	3
MAINTENANCE (Maintenance and Repair)	F3	3
EWK 2 (Engine Watchkeeping with Engine Resource Management)	F1	1
MARLAW (Maritime Law)	F4	4
NAVARCH (Naval Architecture)	F4	2
MPS (Marine Propulsion System) Marine Diesel, Steam, Gas, Electric Propulsion System	F1	4
EWK 1 (Engine Room Watchkeeping Principles 1)	F1	3
		41
Shipboard Training - as per CMO 70, Series of 2017	Total	40
Grand Total		81

Duration: Ten (10) months in-house maritime education and training for BSME to BSMarE

Program Fee: Php 176,268.00 per head
(Excluding Uniform and Hair Cut)
Php 6,000.00 TRB Assessment
Php 12,000.00 (uniform, estimated)

BSEE / BSECE-BSMarE Curriculum

Courses	STCW Function	Units
ENGL 3 (Speech Communication with IMO SMCP)	F4	3
MACH SHOP 1 (Machine Shop 1) (Hand and Measuring Tools)	F3	2
MACH SHOP 2 (Machine Shop 2) (Machining Tools)	F3	2
MACH SHOP 3 (Machine Shop 3) (Gas and Electric Welding)	F3	2
AUX MACH 1 (Auxiliary Machinery 1)	F1	6
AUX MACH 2 (Auxiliary Machinery 2)	F1	5
PPD (Marine Propulsion System) (Diesel and Electric)	F1	5
PASGT (Propulsion Ancillary Systems and Gas Turbine)	F1	3
ELECTRO 3 (Marine Electricity)	F2	5
PPS (Power Plant Steam)	F1	6
AUTO 2 (Marine Automation)	F2	4
PERSMAN (Leadership and Teamwork)	F4	3
MARENV (Protection of the Marine Environment)	F4	3
MAINT (Maintenance and Repair)	F3	3
EWATCH (Engine Watchkeeping with Resource Management)	F1	3
MARLAW (Maritime Law)	F4	4
NAVARCH (Naval Architecture)	F4	2
ICHEM (Industrial Chemistry and Tribology)	F1	3
TOTAL		62
Shipboard Training - as per CMO 70, Series of 2017	Total	40
Grand Total		102

Duration: Fifteen (15) months in-house maritime education and training for BSEE/BSECE to BSMarE

Program Fee: Php 264,403.00 per head
(Excluding Uniform and Hair Cut)
Php 6,000.00 TRB Assessment
Php 12,000.00 (uniform, estimated)

Minimum of twelve (12) months Shipboard Training and Approved Workshop Training for both Bridging Programs.

STCW Courses for Both Bridging Programs:

- ♦ Safety 1 (Basic Training)
- ♦ Security Awareness Training (SAT)
- ♦ Seafarers with Designated Security Duties (SDSD)
- ♦ Engine Room Simulator with Engine Resource Management (ERS with ERM)

REQUIRED DOCUMENTS

- ♦ Original Copy of Transcript of Records
- ♦ Diploma (BSME/BSEE/BSECE)
- ♦ Transfer Credential / Honorable Dismissal
- ♦ Original Copy of PSA Birth Certificate
- ♦ Copy of medical/physical examinations
- ♦ Endorsement letter from the shipping company
- ♦ Philippine Passport

CAREER PATH

A graduate of the BSMarE Program is prepared for careers in, among others:

- ♦ Merchant Marine profession
- ♦ Maritime Industry
 - 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
 - Philippine Navy
 - Philippine Coast Guard
 - Maritime Industry Authority