Curriculum Map for
Bachelor of Science in Marine Transportation (BSMT)

Code	Program Outcomes	Courses				Capstone
		Foundation	Introductory	Enabling	Demonstrative	
Section 10.1: Common to all Programs in all Types of HEI (PO-A)						
PO-A.1.	Engage in lifelong learning and understanding to keep abreast of the developments in Maritime practice;	NGEC Courses	NAV 1-4 SEAM 1	MARPOW MET-O NAV 5-6 MARENV	D-WATCH ICT MARCOM MARLAW MARENV NAV 5-6	Note: The MHEIs shall develop their activities/requirements to meet the program outcomes of the course. The following are examples:
PO-A.2.	Communicate orally and in writing using both English and Filipino;		NGEC 5	NGEC 5 D-WATCH MARCOM	All courses	1. 24-hr scenario 2. Academic paper 3. Cargo Watchkeeping
PO-A.3.	Work independently and in multi-disciplinary and multi-cultural teams;		COLREGS SEAM 1	MGMT 1 NAV 5-6 SEAM 5	D-WATCH MGMT 2	
PO-A.4.	Act in recognition and practice of professional, social, and ethical accountability and responsibility; and		MARENV NGEC 1 NGEC 3 NGEC 5 NGEC 8 NGEC 10	MARCOM MARENV MARLAW NGEC 1 NGEC 3 NGEC 5 NGEC 8 NGEC 10 D-WATCH	MARCOM MARENV MARLAW D-WATCH NGEC 8, 10	
PO-A.5.	Preserve and promote "Filipino historical and cultural heritage".		RIZAL NGEC 2	RIZAL NGEC 2	RIZAL NGEC 2 MGMT 1	
Section 10.2: Common to the BSMT and BSMarE Programs (PO-B)						

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PO-B.1.	Apply knowledge in mathematics, science and technology in solving problems related to the profession and the workplace;		ICT MARENV	ICT MARPOW MARENV SEAM 2	ICT MARCOM MET-O NAV 1 to 6 SEAM 3 to 5	*Note: The MHEIs shall develop their activities/requirements to meet the program outcomes of the course. The following are examples:* 1. 24-hr scenario 2. Academic paper 3. Cargo Watchkeeping
PO-B.2.	Evaluate the impact and implications of various contemporary issues in the global and social context of the profession		NGEC 2 NGEC 3 NGEC 5 NGEC 8 NGEC 10	ICT NGEC 2 NGEC 3 NGEC 5 NGEC 8 NGEC 10	ICT MARENV MARLAW NGEC 2 NGEC 3 NGEC 5 NGEC 8 NGEC 10	
PO-B.3.	Use appropriate techniques, skills and modern tools in the practice of the profession in order to remain globally competitive		COLREGS MET-O NAV 1-4 SEAM 1-2	ICT MET-O MGMT 1 NAV 5-6 SEAM 3	D-WATCH MARCOM MET-O NAV 5-6 SEAM 3 to 5	
PO-B.4.	Conduct research using appropriate research methodologies		**TECHNICAL WRITING** NGEC 5	NGEC 2 NGEC 3 NGEC 5 NGEC 7	NGEC 2 NGEC 3 NGEC 5 NGEC 7	
Section 10.2: Common to both Programs based on Function under STCW II/1 and III/1 (PO-C)						
PO-C.1	Ensure compliance with pollution prevention requirements		SEAM 1	SEAM 4 MARENV MARLAW	SEAM 4 MARENV MARLAW	*Note: The MHEIs shall develop their activities/requirements to meet the program outcomes of the course. The following are examples:* 1. 24-hr scenario 2. Academic paper 3. Cargo Watchkeeping
PO-C.2	Maintain seaworthiness of the ship		SEAM 2 SEAM 3	SEAM 2 SEAM 3	SEAM 3 SEAM 4	
PO-C.3	Prevent, control and fight fires onboard		-	-	BT	
PO-C.4	Operate life – saving appliances		-	-	BT	
PO-C.5	Apply medical first aid on board ship		-	-	BT	

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PO-C.6	Monitor compliance with legislative requirements		MARENV NAV 1 to 6 SEAM 2-to 4	MARENV MARLAW MGMT 2 NAV 6	D-WATCH MARENV MARLAW MGMT 2 SEAM 3 and 4	
PO-C.7	Application of leadership and teamwork skills		MGMT 1	MGMT 1	MGMT 1 D-WATCH	
PO-C.8	Contribute to the safety of personnel and ship		-	-	BT SDSD	
Section 10.3.1: Specific to the BSMT Program under STCW Code II/1 (PO-D)						
PO-D.1.	Plan and conduct passage and determine position		NAV 1-2	MET-O NAV 1 to 4	D-WATCH NAV 6	*Note: The MHEIs shall develop their activities/requirements to meet the program outcomes of the course. The following are examples:* 1. *24-hr scenario* 2. *Academic paper* 3. *Cargo Watchkeeping*
PO-D.2.	Maintain a safe navigational watch		COLREGS	D-WATCH	D-WATCH NAV 5 and 6	
PO-D.3.	Use of radar and ARPA to maintain safety of navigation		NAV 5	NAV 5	D-WATCH NAV 5	
PO-D.4.	Use of ECDIS to maintain the safety of navigation		NAV 6	NAV 6	D-WATCH NAV 6	
PO-D.5.	Respond to emergencies		SEAM 5	SEAM 5	D-WATCH SEAM 5	
PO-D.6.	Respond to a distress signal at sea		COLREGS MARCOM	MARCOM	MARCOM	
PO-D.7.	Use the IMO Standard Marine Communication Phrases and use English in written and oral form		MARCOM	MARCOM	D-WATCH 2 MARCOM MGMT 2 SEAM 5	
PO-D.8.	Transmit and receive information by visual signaling		COLREGS SEAM 1	COLREGS SEAM 1	COLREGS MARCOM SEAM 1	
PO-D.9.	Maneuver the ship		SEAM 5	MARPOW SEAM 5	SEAM 5 D-WATCH	
PO-D.10	Monitor the loading, stowage, securing, care during the voyage and the unloading of cargoes		SEAM 2 SEAM 4	SEAM 3 SEAM 4	SEAM 4	

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PO-D.11	Inspect and report defects and damage to cargo spaces, hatch covers, and ballast tanks		SEAM 1 SEAM 2	SEAM 2 SEAM 4	SEAM 4	
PO-D.12	Transmit and receive information using GMDSS subsystems and equipment and fulfilling the functional requirements of GMDSS			MARCOM	MARCOM D-WATCH	
PO-D.13	Provide radio services in emergencies			MARCOM	MARCOM D-WATCH	
Section 10.4 Common to the horizontal type as defined in CMO No. 46 s.2012						

Note:
1. The Program Outcomes and its corresponding courses under Section 10.4 are to be determined by the respective Maritime Higher Education Institutions (MHEIs) based on their horizontal typology.
2. The MHEIs shall develop activities/requirements under capstone as deemed necessary to meet the program outcomes of the course.