AY2026-27 CURRICULUM FOR BACHELOR OF SCIENCE (MARITIME STUDIES)
WITH SECOND MAJOR IN DATA ANALYTICS - PROFESSIONAL INTERNSHIP
(FIRST YEAR ADMISSION)

Last Updated : 23-Jul-26

SUMMARY OF ACADEMIC UNIT REQUIREMENT							
Year of Study	Major Requirements		Interdisciplinary Collaborative Core			Broadening & Deepening Electives	Total AU
	Core	Major PE	Common Core	Professional Series	Care, Serve, Learn		
1	28	0	7	0	0	0	**35**
2	23	0	7	5	3	3	**41**
3	12	0	0	11	0	3	**26**
4	11	9	0	0	0	15	**35**
Total	**74**	**9**	**14**	**16**	**3**	**21**	**137**

^ The Course will be double counted towards Primary Programme and Second Major in Data Analytics

YEAR 1 SEMESTER 1				
Course Code	**Course Title**	**Type**	**AU**	**Pre-Requisite**
BU5101	Accounting : A User Perspective	C	3	
BU5601	Fundamentals of Management	C	3	
MT1001	Mathematics I for Maritime Studies	C	3	
MT1003	Trade Practice and Incoterms	C	3	
MT0001	Shipping and the Environment	C	4	
CC0015	Health & Wellbeing	CC	2	
			18	

YEAR 1 SEMESTER 2				
Course Code	**Course Title**	**Type**	**AU**	**Pre-Requisite**
AB1301	Business Law	C	3	
HE5091	Principles of Economics	C	3	
CV1014 ^	Introduction To Computational Thinking	C	3	
MT1004	Introduction to Meteorology and Oceanography	C	3	
CC0001	Inquiry and Communication in an Interdisciplinary World	CC	2	
CC0007	Science and Technology for Humanity	CC	3	
			17	

YEAR 2 SEMESTER 1				
Course Code	**Course Title**	**Type**	**AU**	**Pre-Requisite**
MH2814 ^	Probability & Statistics	C	3	MT1001
MT2002	Shipping Economics	C	3	
MT3006	Ship Chartering	C	3	
MT4002	Essentials of Project Management	C	3	
CV0003	Introduction to Data Science and Artificial Intelligence	PS	3	CV1014
CC0006	Sustainability: Society, Economy & Environment	CC	3	
ML0004	Career Design and Workplace Readiness in a Dynamic World	CC	2	
			20	

YEAR 2 SEMESTER 2				
Course Code	**Course Title**	**Type**	**AU**	**Pre-Requisite**
MT0003	Professionals & Society	C	2	
MT2003	Maritime Technology	C	3	
MT2004^	Mathematics II for Maritime Studies	C	3	MT1001
MT2005	Port Economics	C	3	
HW0208	Academic Communication In The Social Sciences	PS	2	CC0001
CC0003	Ethics & Civics in a Multi-Cultural World	CC	2	
	Service Learning	CSL	3	
MH1403	Algorithms and Computing	BDE-DA	3	CV1014
			21	

YEAR 3 SEMESTER 1				
Course Code	**Course Title**	**Type**	**AU**	**Pre-Requisite**
MT3001	Maritime Law	C	3	
MT3002	Introduction to Marine Insurance	C	3	
MT3003	Organisation of a Ship Owning Entity	C	3	
MT3004	Shipping Management	C	3	
MLxxxx	Profession Preparation	PS	1	
	Data Analytics Elective Course	BDE-DA	3	Refer to Syllabus
			16	

YEAR 3 SEMESTER 2				
Course Code	**Course Title**	**Type**	**AU**	**Pre-Requisite**
MT3920	Professional Internship	PS	10	Year 3 standing &
				completed at least 4
				semesters of study
			10	

YEAR 4 SEMESTER 1				
Course Code	**Course Title**	**Type**	**AU**	**Pre-Requisite**
MT4001	Shipping Logistics	C	3	
MT4XXX	Major Prescribed Elective	MPE	3	Refer to Syllabus
SC4024	Data Visualization	BDE-DA	3	CV1014 & MH2814
EE4483	Artificial Intelligence & Data Mining	BDE-DA	3	MT2004, MH2814 & CV0003
SC2207	Introduction to Database	BDE-DA	3	MH1403
	Data Analytics Elective Course	BDE-DA	3	Refer to Syllabus
			18	

YEAR 4 SEMESTER 2				
Course Code	**Course Title**	**Type**	**AU**	**Pre-Requisite**
MT4003	Maritime Strategy	C	3	
MT4008	Capstone Project in Maritime Studies	C	5	Year 4 standing
MT4XXX	Major Prescribed Elective	MPE	3	Refer to Syllabus
MT4XXX	Major Prescribed Elective	MPE	3	Refer to Syllabus
	Data Analytics Elective Course	BDE-DA	3	Refer to Syllabus
			17	
		Total AU for Graduation :	**137**	