AY2024-25 CURRICULUM FOR BACHELOR OF SCIENCE (MARITIME STUDIES) WITH SECOND MAJOR IN DATA ANALYTICS - PROFESSIONAL ATTACHMENT (FIRST YEAR ADMISSION)

Last Updated :   18-Sep-24

SUMMARY OF ACADEMIC UNIT REQUIREMENT						
Year of Study	Core	MPE	CC	FC	BDE	Total AU
1	28	0	9	0	0	37
2	23	0	8	5	3	39
3	12	6	0	5	8	31
4	11	3	0	0	15	29
Total	74	9	17	10	26	136

^ 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	
CC0001	Inquiry and Communication in the Interdisciplinary World	CC	2	
CC0002	Navigating the Digital World	CC	2	
			20	

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	
CC0003	Ethics & Civics in a Multi-Cultural World	CC	2	
CC0005	Healthy Living & Wellbeing	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	FC	3	CV1014
CC0006	Sustainability: Society, Economy & Environment	CC	3	
ML0004	Career and Entrepreneurial Development for the Future 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	HE9091
HW0208	Academic Communication In The Social Sciences	FC	2	CC0001

Course Code	Course Title	Type	AU	Pre-Requisite
CC0007	Science & Technology for Humanity	CC	3	
MH1403	Algorithms and Computing	BDE	3	CV1014
			19	

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	
MT4XXX	Major Prescribed Elective	MPE	3	
			15	

YEAR 3 SEMESTER 2				
Course Code	Course Title	Type	AU	Pre-Requisite
MT4XXX	Major Prescribed Elective	MPE	3	Refer to Syllabus
SC2207	Introduction to Database	BDE-DA	3	MH1403
	Broadening & Deepening Electives 1	BDE	3	
	Broadening & Deepening Electives 2	BDE	2	
			11	

YEAR 3 SPECIAL SEMESTER				
Course Code	Course Title	Type	AU	Pre-Requisite
MT3910	Professional Attachment	BDE	5	Year 3 standing &
				completed at least 4
				semesters of study
			5	

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
	Data Analytics Elective Course	BDE-DA	3	Refer to Syllabus
			15	

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
	Data Analytics Elective Course	BDE-DA	3	Refer to Syllabus
	Data Analytics Elective Course	BDE-DA	3	Refer to Syllabus
			14	

		Total AU for Graduation :	136	