

NAUTICAL SCIENCES, DEGREE ACADEMIC PATH

COURSE ID		ECTS
Major Requirements		228
MANS-110	Maritime English	4
MANS-120	Mathematics I	5
MANS-121	Mathematics II	3
MANS-122	Physics I	4
MANS-123	Physics II	4
MANS-125	Navigation Fundamentals	5
MANS-130	COLREGS - Safety of Watch	5
MANS-112	COLREGS - Safety of Watch	5
MANS-114	Celestial Navigation	5
MANS-115	Maritime Law	6
MANS-131	Safety on Board	3
MANS-132	Deck Seamanship	5
MANS-133	Naval Architecture - Design	4
MANS-211	Applied Navigation	8
MANS-212	Marine Meteorology	6
MANS-213	Nautical Electronic Instruments	6
MANS-214	Ship Chartering	3
MANS-215	Marine Engines	4
MANS-216	Marine Insurance	3
MANS-290	Practical Training on Board	30
MANS-290C	Practical Training on Board	30
MANS-311	GMDSS	8
MANS-312	Safety and Risk Management	3
MANS-320	Ship Management	3
MANS-321	Ship Stability & Strength	7
MANS-322	Cargo Transport	7
MANS-331	Marine Legal Issues	4
MANS-332	Human Resource Management	2
MANS-333	Leadership and Administration	2
MANS-334	Crisis-Management - Risk Assessment	3
MANS-335	Advanced Safety and Security	5

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MANS-335	MARPOL - Ballast Water Management	3
MANS-336	Emergencies and SAR	3
MANS-337	Ship's Inspections	3
MANS-391	Information Technology	3
MANS-430	ECDIS	6
MANS-431	ARPA & RADAR - Watch Keeping	6
MANS-432	ISPS - SSO	4
MANS-433	Simulation – BTM – BRM – BMS	6
Sea-Going Concentration		12
MANS-380	Ship Steering Control Systems	4
MANS-430	Shipbroking & Chartering Practices	4
MANS-440	Port & Terminal Management	4
Shore-Based Concentration		12
MANS-324	Research Methodology	4
MANS-434	Liner Operations	3
MANS-460	Bachelor Thesis	5
TOTAL		240