Marine Transportation Department
Marine Operations Degree – Deck License

Upon completion of a Bachelor program in **Marine Operations –Deck License** the student will:

Objective 1: Pass the US Coast Guard Third Mate, Unlimited License on the STCW Operational Level

Objective 2: Be able to stand an underway watch on a commercial vessel and assume all the duties of a Third Mate in international or domestic service

Objective 3: Have a thorough understanding of the marine transportation business and its place in global commerce with a focus on fleet management practices.

Objective 4: Have an understanding of basic related industry practices

Objective 5: Through the regimental experience and summer sea terms graduates will have developed leadership and organizational skills to assume positions of responsibility in their careers after graduation

Grid Matrix

- **Major (4)**: Topics are fully introduced, developed, and reinforced throughout the course in course lectures, labs, homework assignments, tests, exams, projects; an "application knowledge"
- **Moderate (2)**: Topics are introduced and further developed and reinforced in course lectures, labs, assignments, tests, etc; a "working knowledge"
- **Minor (1)**: Topics introduced in course lectures, labs, homework, assignments, etc; a "talking knowledge" or "awareness"
- **(0)**: Does not relate

License sequence

Course/ Number	Objective 1	Objective 2	Objective 3	Objective 4	Objective 5
METEO 201 Meteorology for Mariners	4	4			
MT 250 Ship Constr & Stability	4	4			
MT 321 Cargo Operations Ship Stability	4	4			
MT 322 Marine Cargo Operations	4	4			
MT 426 Maritime Communications	4	4			
MT 450 Liquid Gas Tanker Operations	4	4			
MT 510 Summer Sea Term I	4	4	4	4	4
MT 520 Summer Sea Term II *OR* MT 521 Cadet Observer	4	4	4	4	4
MT 530 Summer Sea Term III	4	4	4	4	4
NAUT 307 Nautical Ops: Legal	2	2			
NAUT 308 Nautical Ops: Safety	4	4			
NAUT 314 Rules of the Road	4	4			

NAUT 315 Collision Avoidance	4	4			
NAUT 408D License Seminar Deck Safety	4	4			
NAUT 408R License Seminar Rules	4	4			
NAUT 416 Bridge Watch Standing	4	4			4
NAUT 420 Piloting Shiphandling	2	2			
NAVG 112 Terrestrial Navigation	4	4			
NAVG 212 Celestial Navigation	4	4			
NAVG 312 Electronic Navigation	4	4			
NAVG 402 Advanced Marine Navigation	4	4			
PE 411 Medical Care Provider	4	4			
PS 111 Professional Studies I	1	1			
PS 112 Basic Safety Training	4	4			

Academic Degree Sequence

Course Number	Course Name	Objective 1	Objective 2	Objective 3	Objective 4	Objective 5
MT 212	Ship Management			4	4	
MT 404	Environmental Management			4	4	
MT 408	International Safety Management			4	4	
MT 430	Prin of Emergency Management Systems			2	2	
MT 435	Maritime Security			4	4	
NAUT 410	Tugs and Towing I			2	2	
CS 100	Intro in Business Computing			2	2	
CS 101	Computer Laboratory			2	2	
ENGL 101	Freshman English I			1		
LEAD 101	Leadership/Maritime Experience			0	0	
MATH 111	Applied Calculus I			2	2	
PE 101	Lifetime Fitness & Conditioning			0	0	
ENGL 102	Freshman English II			2		
GBUS 100	Intro to Business & Economics			4	4	
MATH 112	Applied Calculus II			2	2	
PE 100	Swimming & Water			2	2	

	Safety					
GBEC 121	Macroeconomics			2	2	
GBTT 251	Transportation Systems			4	4	
HUMN 201	Humanities I			2	2	
PHYS 211	General Physics I			2	2	
PHYS 213	General Physic I Lab			2	2	
GBAC 311	Financial Accounting			4	4	
GBEC 122	Microeconomics			2	2	
GBTT 252	Business of Shipping			4	4	
HUMN 202	Humanities II			2	2	
MATH 251	Statistics			2	2	
ENGL 452	Technical Writing			4	4	
GBMG 341	Organizational Management			2	2	
GBUS 300	International Business			2	2	
HIST 101	American Civilization I			2	2	
PE 20x	Lifetime Sports			2	2	
				2	2	
GBEC 427	Financial Management			2	2	
HIST 102	American Civilization II			2	2	
	MT or GBAT Elective			2	2	
				2	2	
GBLW 431	Business Law			2	2	

CHEM 100	Intro to Chemistry	2	2	2	2	
ENGR 540	Intro to Ship Systems	2		2	2	
ENGR 541	Intro to Ship Systems 1	2	2	2	2	
	Humanities/SS Elective			1	1	
	MT Elective			1	1	
	MT Elective			1	1	