

GREAT LAKES MARITIME ACADEMY

4 YEAR ENGINEERING OFFICER CURRICULUM GUIDE

Bachelor of Science in Maritime Technology

FIRST YEAR		
FALL		Credit
MDK 100	Survival at Sea STCW	1
MNG 104	Engine System Graphics STCW	3
MNG 110	Engineering Mechanics STCW	3
ENG 111	English Composition	4
MTH 121	College Algebra	4
		15
SPRING		
MNG 100	Intro to Vessel Operations	1
MNS 100	Naval Science	2
MNG 234	Electronic Fundamentals STCW	4
MNG 314	Diesel Engineering STCW	7
MTH 122	Trigonometry	3
		17
SUMMER		
MNG 317	Sea Project I STCW	3

SECOND YEAR		
FALL		Credit
MNG 250	Fluid Systems STCW	3
MNG 260	Maritime Machining	2
MNG 335	Electric Mach & Controls STCW	4
MNG 336	Electric M & C Lab STCW	2
CHM 101	Intro to Chemistry	4
		15

SECOND YEAR - cont'd		
SPRING		Credit
MNG 105	Shipboard Information Systems	3
MDK 149	Damage Control & Safety STCW	2
MNG 271	Maritime Welding	2
MNG 321	Marine Boilers STCW	3.5
MNG 322	Marine Turbines STCW	2.5
MNG 323	Marine Steam Lab STCW	1
ENG 220	Technical Writing or ENG 220	3
		17
SUMMER		
No Classes		

THIRD YEAR		
FALL		
MNG 318	Sea Project II STCW	6
SPRING		
MNG 275	Refrigeration STCW	3
MDK 341	Ship Construction STCW	2
GLMA	Program Elective	3
GLMA	Program Elective	3
GLMA	Program Elective	3
PHL 202	Cont. Ethical Dilemmas	3
		17
SUMMER		
MNG 319	Sea Project III STCW	6

FOURTH YEAR		
FALL		Credit
MDK 250	Stability for Engineer	1
MDK 330	Medical First Aid Provider	2
MNG 455	Eng Rm Resource Mgmt	2
MNG 466	Engine Room Business	2
MNG 496	License Prep	2
GLMA	Program Elective	3
		12
SPRING		
PLS 101	Intro to American Pol	3
GLMA	Program Elective	3
GLMA	Program Elective	3
GLMA	Program Elective	3
		12

REQUIREMENTS & CERTIFICATIONS	
First Aid/CPR/AED	
Firefighting	
Personal Safety & Social Responsibility	
VPDSD	
In Port Sea Days (30 required)	
Completed Sea Days (240 required)	

Maritime/Sea Projects Credit Hours	75
NMC Credit Hours	45
BSMT requires 120 credit hours. Courses in green may be tested out of (but the credit load made up in another course) or transferred in. Cadets must earn a minimum of 2.0 grade in	120

Key: **BLUE** = Sailing projects/internships, **BLACK** = Maritime Classes, **GREEN** = general education classes.

This document subject to change. Revised 7/20/2021