GREAT LAKES MARITIME ACADEMY

3 YEAR ENGINEERING OFFICER CURRICULUM GUIDE

Bachelor of Science in Maritime Technology

	FIRST YEAR	
FALL		Credit
MDK 100	Survival at Sea STCW	1
MNS 100	Naval Science	2
MNG 104	Engine System Graphics STCW	3
MNG 110	Engineering Mechanics STCW	3
MDK 149	Damage Control and Safety STCW	2
MDK 330	Medical First Aid Provider STCW	2
ENG 111	English Composition	4
MTH 121	College Algebra	4
		21
SPRING		
MNG 100	Intro to Vessel Operations	1
MNG 234	Electronic Fundamentals STCW	4
MDK 341	Ship Construction STCW	2
MNG 314	Diesel Engineering STCW	7
MTH 122	Trigonometry	3
GLMA	Program Elective	3
		20
SUMMER		
MNG 317	Sea Project I STCW	3

SECOND YEAR			
FALL		Credit	
MNG 250	Fluid Systems	3	
MNG 260	Maritime Machining	2	
MNG 335	Electric Machines & Controls STCW	4	
MNG 336	Elec Mach & Controls Lab STCW	2	
MDK 250	Stability for Engineer	1	
ENG 220	Tech Writing (or Eng 112)	3	
CHM 101	Intro to Chemistry	4	
		19	
SPRING			
MNG 105	Shipboard Information Systems	3	
MNG 271	Maritime Welding STCW	2	
MNG 275	Refrigeration STCW	3	
MNG 321	Marine Boilers STCW	3.5	
MNG 322	Marine Turbines STCW	2.5	
MNG 323	Marine Steam Lab STCW	1	
GLMA	Program Elective	3	
PHL 202	Cont Ethical Dilemmas	3	
		21	
SUMMER			
MNG 318	Sea Project III STCW	6	

THIRD YEAR				
FALL		Credit		
MNG 455	Eng Rm Resource Management	2		
MNG 466	Engine Room Business	2		
MNG 496	License Prep	2		
PLS 101	Intro to American Politics	3		
GLMA	Program Elective	3		
GLMA	Program Elective	3		
		15		
SPRING MNG 318	Sea Project III STCW	6		
Maritima/Co	a Project Credite	75		
Maritime/Sea Project Credits				
NMC Credits				
	roved Transfer Credits	9		
BSMT Degree Requires 120 Credits. Cadets must earn a minimum 2.0 in all Maritme, NMC and transfer courses.				

Key: Black = Maritime Classes.	Green - NMC General Education Classes.
	Sea Projects

Blue =

Subject to change, Revised 7/20/21

REQUIREMENTS & Certifications

First Aid/CPR/AED

Firefighting

Personal Safety & Social Responsibility Seminar

VPDSD

In Port Sea Days (30 required)

Completed Sea Days (240 required)