

Please inform the Registrar's Office if you choose an alternate option.
 Otherwise your Academic Advisement Report will be incorrect.

STUDENTS ENTERING IN 2022
MECHANICAL ENGINEERING MAJOR
U.S. COAST GUARD THIRD ASSISTANT ENGINEER LICENSE OPTION
DIVISIONS 1&2
CURRICULUM ROADMAP

06/20/22
 Subject to Change

Total Units: 172

<u>FALL 2022</u>	<u>SUMMER CRUISE 2023</u>	
CHE 110 General Chemistry (Area B1)	CRU 150 Sea Training (Engine) X	8.0
CHE 110L General Chemistry Lab (Area B3)	EPO 220 Diesel Engineering I	2.0
EGL 100 Engf Tc -0.008 TTW 1.53 581365.9 (A)-4. (i.7jt)- 0 Td ()Tj EMC EMC(45goMC(45gs0.019l)15-3.5 t-8.14l)15-3.5 o08 TTW n 0.008 Tc -0.00657 0 53 0.761 n Td ()36 3605goMC(4511.9 Td)41007.Tw (P)		
2.0		
4.0		
1.0		
3.0		
1.0		
20.0		

<u>FALL 2023</u>	<u>SPRING 2024</u>	<u>SUMMER CRUISE 2024</u>	
ENG 210 Engineering Computer Programming	2.0 Humanities Elective (Area C Lower Div)	3.0 CRU 250 Sea Training II	8.0
EPO 210 Plant Operations I X	1.0 ENG 250 Electrical Circuits and Electronics Lab AE		3.0
EPO 215 Manufacturing Processes X I	1.0 ENG 250L Electrical Circuits and Electronics Lab AE		1.0
ME 230 Engineering Materials AE	3.0 EPO 214 Boilers X		3.0
ME 232 Engineering Statics AE	3.0 EPO 230 Steam Plant System Operations		1.0
MTH 212 Calculus III (Area B4)	4.0 ME 240 Engineering Thermodynamics AE		3.0
PHY 205 Engineering Physics (Area B1)	4.0 ME 330 Engineering Dynamics AE		3.0
Total	18.0 MTH 215 Differential Equations (Area B4)	Total	20.0

<u>FALL 2024</u>	<u>SPRING 2025</u>		
Life Science Elective (Area B2)	3.0 Arts OR Humanities Elective (Area C Lower Div)		3.0
EPO 235 Steam Plant Watch Team Management	1.0 EPO 310 Plant Operations IIX		1
EPO 312 Turbines X	3.0 EPO 343 Refrigeration & A/CX		
EPO 322 Diesel Engineering II/Simulator	1.0 FF 300 Advanced Marine Firefighting X		
EPO 322L Diesel Engineering II/Simulator Lab	1.0 ME 344 Heat Transfer AE		
ME 332 Mechanics of Materials AE	3.0 ME 392 Mechanical Design AE		
ME 340 Engineering Fluid Mechanics AE	3.0 ME 429 Manufacturing Processes Lab AE		
ME 360 Instrumentation and Measurement Systems AE	2.0 ME 436 Mechatronic System Design AE		
ME 360L Instr. and Measurement Systems Lab	1.0 ME 436L Mechatronic System Design Lab AE		
Total	18.0 ME 490 Engineering Design Process (Area A1 or "G4")	Total	