



LIST OF CAL MARITIME GENERAL EDUCATION COURSES

Updated March 2025

SUBJECT AREA 1 [formerly Area A] English Language Communication and Critical Thinking	
1A English Composition [formerly A2 - Written Communication]	
<ul style="list-style-type: none"> EGL 100 - English Composition EGL 101-102 - Stretch English Composition [year-long version of EGL 100] 	
1B Critical Thinking [formerly A3 - Critical Thinking]	
<ul style="list-style-type: none"> EGL 220 - Critical Thinking 	
1C Oral Communication [formerly A1 - Oral Communication]	
<ul style="list-style-type: none"> EGL 110 - Speech Communication EGL 120 - Technical Communication ENG 112 - Introduction to Technical Communication + ME 490 Engineering Design Process <i>[ME majors only]</i> 	

SUBJECT AREA 2 [formerly part of Area B4] Mathematical Concepts & Quantitative Reasoning	
2 Lower Division Mathematical Concepts and Quantitative Reasoning [formerly B4]	
<ul style="list-style-type: none"> MTH 100 College Algebra and Trig MTH 107 Elementary Statistics MTH 205 Calculus for Business MTH 210 Calculus I MTH 211 Calculus II MTH 212 Calculus III MTH 215 Differential Equations NAU 205 Ship Stability 	
2 Upper Division Math [formerly one small part of Area B Upper Division, along with all the sciences; you don't have to do this if you have an Upper Division Area 5 in your roadmap]	
<ul style="list-style-type: none"> MGT 410 - Quantitative Managerial Methods GMA 370 - International Political Economy 	

SUBJECT AREA 3 [formerly Area C] Arts and Humanities

3A - Arts (Lower Division) [formerly Area C1]

- EGL 225 - Creative Writing
- HUM 115 - Maritime Arts [may also count as Area E]
- HUM 120 - Intro to Visual Arts
- HUM 215 - Introduction to Cinema

3B - Humanities (Lower Division) [formerly Area C2]

- EGL 200 - Introduction to Literature
- LAN 110 - Spanish I
- LAN 115 - Spanish II
- LAN 120 - Chinese I
- LAN 125 - Chinese II

3 Upper Division Arts and Humanities [formerly Area C Upper Division]

- EGL 305 - Twentieth Century American Literature
- EGL 309 - British Literature of the Sea
- EGL 310 - U.S. Literature of the Sea
- EGL 315 - World Literature of the Sea
- EGL 320 - Literature of the Fantastic
- EGL 330 - Literature and Psychology
- EGL 340 - Multicultural Literature in America
- EGL 345 - Literature and the Environment
- HUM 325 - Globalization of Culture
- HUM 350 - Maritime Culture
- HUM 380 - Ethical Inquiry
- HUM 400 - Ethics

SUBJECT AREA 4 [formerly Area D] Social Sciences and Behavioral Sciences

4 - Lower Division Social and Behavioral Sciences [formerly Area D]

- ECO 100 - Macroeconomics
- ECO 101 - Microeconomics
- GMA 100 - International Relations
- GMA 105 - Ocean Politics
- GMA 215 - Comparative Politics
- GMA 220 - Comparative Maritime Policies
- GMA 225 - SE Asia-Maritime/Mainland
- GMA 235 - GIS Mapping and Spatial Analysis
- GMA 240 - World Geography
- GMA 250 - Environmental Policy
- GOV 200 - American Government
- HIS 100 - Survey of American History to 1877: Precontact through the Civil War [can count as either Area D or Area F]
- HIS 101 - Survey of American History from 1877: Civil War through Civil Rights [can count as either Area D or Area F]

4 - Upper Division Social and Behavioral Sciences [formerly Upper Division Area D]

- GMA 300 - US Foreign Policy
- ENG 310 - [Engineering Ethics](#)
- GMA 310 - The Geopolitics of Energy
- GMA 315 - China and its Neighbors
- GMA 320 - Ocean Environmental Management
- GMA 325 - Indian Ocean Rim
- GMA 330 - Maritime Security
- GMA 335 - Maritime California
- GMA 340 - International Migration
- GMA 350 - Political Geography
- GMA 355 - Cross-Cultural Competence [also Area E]
- GMA 365 - Polar Politics
- GMA 405 - International Maritime Organizations
- GMA 415 - Strategy and War
- GMA 420 - Cybersecurity
- GMA 425 - Civil Conflict
- HIS 300 - Maritime History of the US
- HIS 305 - The World Since 1500
- HIS 315 - World Maritime History I
- HIS 316 - World Maritime History II
- LAW 315 - Admiralty Law

**Subject Area 5 [formerly part of Area B]
Physical and Biological Sciences**

5A - Physical Science [formerly Area B1]

- CHE 105 - Introductory Chemistry
- CHE 110 - General Chemistry
- CHE 205 - Chemistry of Power Plant Processes
- PHY 100 - General Physics I
- PHY 105 - General Physics II
- PHY 120 - Physics for Future Leaders
- PHY 200 - Engineering Physics I
- PHY 205 - Engineering Physics II

5B - Biological Science [formerly Area B2 Life Science]

- OCN 100 - Marine Biology
- OCN 110 - Marine Ecology

5C - Laboratory [formerly Area B3]

- CHE 105L - Introductory Chemistry Lab
- CHE 110L - General Chemistry Lab
- OCN 100L - Marine Biology Lab
- OCN 110L - Marine Ecology Lab
- OCN 200L - Introduction to Oceanography Lab
- PHY 100L - General Physics Lab
- PHY 105L - General Physics II Lab
- PHY 120L - Physics for Future Leaders Lab
- PHY 200L - Engineering Physics I Lab

5 Upper Division Science [formerly part of Area B Upper Division, along with math classes; you don't have to do this if you have an Upper Division Area 2 in your roadmap]

- NAU 330 - Meteorology
- OCN 320 - Oceans and Climate

**Area 6 [formerly Area F]
Ethnic Studies**

Area 1A English Composition [formerly A2 - Written Communication]

- HIS 100 - [Survey of American History to 1877: Precontact through the Civil War](#) [can count as *either* Area D or Area F]
- HIS 101 - [Survey of American History from 1877: Civil War through Civil Rights](#) [can count as *either* Area D or Area F]