

MARINE TRANSPORTATION (BS)

Degree Requirements and Curriculum

In addition to the program requirements listed on this page, students must also satisfy requirements outlined in more detail in the Minimum Requirements for Graduation (<https://catalog.calpoly.edu/academic-standards-policies/general-requirements-bachelors-degree/>) section of this catalog, including:

- 40 units of upper-division courses
- 2.0 GPA
- Graduation Writing Requirement (GWR)
- U.S. Cultural Pluralism (USCP)

Note: No Major, Support or Concentration courses may be selected as credit/no credit. In addition, no more than 12 units of cooperative or internship courses can count towards your degree requirements.

Code	Title	Units
MAJOR COURSES		
DL 1100	Small Craft Operations	1
DL 1105 & 1105L	Marine Survival and Marine Survival Laboratory	2
DL 1105X	United States Coast Guard Lifeboatman's Exam	0
DL 1110	Ship Operations I	1
DL 1115	Marlinspike	1
DL 1120	Cargo Operations	1
DL 2225 & 2225L	Radar/Arpa and RADAR/ARPA Laboratory	4
DL 2240 & 2240L	Global Maritime Distress Safety System (GMDSS) and Global Maritime Distress Safety System (GMDSS) Laboratory	3
DL 3301	Navigation Piloting Laboratory	1
DL 3305	Tug and Barge	1
DL 3310	Marine Supervisory Laboratory	1
DL 3311	Marine Management Laboratory	1
DL 3320	Introduction to Bridge Simulator	2
DL 4405 & 4405L	Shipboard Medical and Shipboard Medical Laboratory	2
DL 4410	Ship Handling	1
DL 4420	Watchstanding Simulation	2
NAU 1102 & 1102L	Navigation I and Navigation I Laboratory	4
NAU 1103	Marine Transportation	3
NAU 1104	Shipboard Security and Responsibility	1
NAU 1105	Ship Structure	2
NAU 1109	Industrial Equipment and Safety	2
NAU 1110	Seamanship	3
NAU 1120	Marine Engineering	3
NAU 2205	Ship Stability (2) ¹	3
NAU 2230	Rules of the Road	2
NAU 3300 & 3300L	Celestial Navigation and Celestial Navigation Laboratory	4
NAU 3302 & 3302L	Advanced Navigation and Advanced Navigation Laboratory	3
NAU 3320	Tank Vessel Operations	3
NAU 3325	Port and Cargo Operations	3
NAU 3330	Meteorology (Upper-Division 2/5) ¹	3

NAU 3335 & 3335L	Electronic Chart Display and Information Systems and Electronic Chart Display and Information Systems Laboratory	3
NAU 4410 & 4410L	License Seminar and License Seminar Laboratory	2
NAU 4415	Transportation Security	2
NAU 4435	Marine Transportation: People, Planet and the Profession	3
Approved Electives		
Select from the following:		6
NAU 3395	Special Topics	
NAU 4420	Maritime Casualty Seminar	
NAU 4430/NAU 4430L	Liquefied Gas Cargos	
NAU 4440	Dynamic Positioning Induction	
SUPPORT COURSES		
CRU 1100	Sea Training I - Deck	8
CRU 2200 & 2200L	Sea Training II - Deck and Sea Training II Lab (Deck)	8
CRU 3300	Sea Training III - Deck	8
ECO 1100	Macroeconomics (4B) ¹	3
EGL 1100	English Composition (1A) ¹	3
EGL 1110	Speech Communication (1C) ¹	3
EGL 2220	Critical Thinking (1B) ¹	3
ENG 1120L	Marine Engineering Laboratory	1
FF 1100	Basic Marine Firefighting	0
FF 3300	Advanced Marine Firefighting	0
GOV 2200	American Government (4A) ¹	3
MTH 1100	College Algebra and Trigonometry	4
LAW 3315	Admiralty Law (Upper-Division 4) ¹	3
PE 1101	Swim Competency Exam ²	0
PHY 1100 & 1100L	General Physics I and General Physics I Laboratory (5A & 5C) ¹	4
GENERAL EDUCATION (GE)		
(See GE program requirements below)		15
FREE ELECTIVES		
Free Electives		0
Total Units		145

¹ Required in Major or Support; also satisfies General Education (GE) requirement.

² Swim assessments are required of all cadets during Orientation week. If PE 1101 is not passed with a grade CR, then enrollment in PE 1102 will be required.

General Education (GE) Requirements
General Education (GE) Requirements

- 43 units required, 28 of which are specified in Major and/or Support.
- If any of the remaining 15 Units is used to satisfy a Major or Support requirement, additional units of Free Electives may be needed to complete the total units required for the degree.
- See the complete GE course listing (<https://catalog.calpoly.edu/academic-standards-policies/general-requirements-bachelors-degree/#generaleducationtext>).
- A grade of C- or better is required in one course in each of the following GE Areas: 1A (English Composition), 1B (Critical Thinking), 1C (Oral Communication), and 2 (Mathematics and Quantitative Reasoning).

Lower-Division General Education

Area 1	English Communication and Critical Thinking	
1A	Written Communication (3 units in Support) ¹	0
1B	Critical Thinking (3 units in Support) ¹	0
1C	Oral Communication (3 units in Support) ¹	0
Area 2	Mathematics and Quantitative Reasoning	
2	Mathematics and Quantitative Reasoning (3 units in Support) ¹	0
Area 3	Arts and Humanities	
3A	Arts	3
3B	Humanities: Literature, Philosophy, Languages other than English	3
Area 4	Social and Behavioral Sciences (Area 4 courses must come from at least two different course prefixes.)	
4A	American Institutions (Title 5, Section 40404 Requirement) (3 units in Support) ¹	0
4B	Social and Behavioral Sciences (3 units in Support) ¹	0
Area 5	Physical and Life Sciences	
5A	Physical Sciences (3 units in Support) ¹	0
5B	Life Sciences	3
5C	Laboratory (may be embedded in a 5A or 5B course) (1 units in Support) ¹	0
Area 6	Ethnic Studies	
6	Ethnic Studies	3
Upper-Division General Education		
Upper-Division 2/5	Mathematics and Quantitative Reasoning or Physical and Life Sciences (3 units in Support) ¹	0
Upper-Division 3	Arts and Humanities	3
Upper-Division 4	Social and Behavioral Sciences (Area 4 courses must come from at least two different course prefixes.) (3 units in Support) ¹	0
Total Units		15

¹ Required in Major or Support; also satisfies General Education (GE) requirement.