

**STUDENTS ENTERING IN 2018
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM**

**REVISED 11/28/18
Subject to Change**

Total Units: 159

| | | |
|--|---|-----------------------------------|
| <u>FALL 2018</u> | <u>SPRING 2019</u> | <u>SUMMER CRUISE 2019</u> |
| CHE 110 General Chemistry (Area B1) 3.0 | American Institutions I Elective (Area D-Lower Div) 3.0 | CRU 150 Sea Training I▶ 8.0 |
| CHE 110L General Chemistry Lab (Area B3) 1.0 | Humanities Elective (Area C2-Lower Div) 3.0 | EPO 220 Diesel Engineering I* 2.0 |
| ENG 100 Engineering Graphics▶ 2.0 | DL 105 Marine Survival▶ 1.0 | Total 10.0 |
| EPO 110 Plant Operations I▶ 1.0 | DL 105L Marine Survival Lab▶ 1.0 | |
| EPO 125 Introduction to Marine Engineering* 3.0 | DL 105X USCG Lifeboatman's Exam 0.0 | |
| EPO 125L Introduction to Marine Engineering Lab* 1.0 | EGL 100 English Composition (Area A2) 3.0 | |
| EPO 213 Welding Lab▶ 1.0 | LIB 100 Information Fluency in the Digital World (Area E) 2.0 | |
| ET 110 Introduction to Engineering Technology* 1.0 | MTH 210 Calculus I (Area B4) 4.0 | |
| MTH 100 College Algebra and Trigonometry (Area B4) 4.0 | NAU 104 Shipboard Security and Responsibility▶ 1.0 | |
| PE 101 Swim Competency Exam 0.0 | Total 18.0 | |
| PE 102 Beginning/Intermediate Swimming (0.5) | | |
| Total 17.0 | | |
| <u>FALL 2019</u> | <u>SPRING 2020</u> | <u>SUMMER CRUISE 2020</u> |
| COM 220L Programming Apps for ET Majors Lab 1.0 | EGL 110 Speech Communication (Area A1) 3.0 | CRU 250 Sea Training II 8.0 |
| EGL 220 Critical Thinking 3.0 | EPO 235 Steam Plant Watch Team Management▶* 1.0 | Total 8.0 |
| [Critical Thinking Elective] (Area A3) | EPO 312 Turbines▶* 3.0 | |
| EPO 210 Plant Operations II▶ 1.0 | ET 230 Properties of Materials* 2.0 | |
| EPO 214 Boilers▶* 3.0 | ET 232 Statics* 3.0 | |
| EPO 215 Manufacturing Processes I▶ 1.0 | PHY 205 Engineering Physics II (Area B1) 4.0 | |
| EPO 230 Steam Plant System Operations▶* 1.0 | Total 16.0 | |
| MTH 211 Calculus II (Area B4) 4.0 | | |
| PHY 200 Engineering Physics I (Area B1) 3.0 | | |
| PHY 200L Engineering Physics I Lab (Area B3) 1.0 | | |
| Total 18.0 | | |
| <u>FALL 2020</u> | <u>SPRING 2021</u> | <u>SUMMER CRUISE 2021</u> |
| Humanities Elective (Area C-Upper Div) 3.0 | EGL 300 Advanced Writing (3.0) | CRU 350 Sea Training III▶ 8.0 |
| ET 230L Properties of Materials Lab* 1.0 | EPO 310 Plant Operations III▶ 1.0 | Total 8.0 |
| ET 250 Electrical Circuits* 3.0 | EPO 315 Manufacturing Processes II 1.0 | |
| ET 250L Electrical Circuits Lab▶* 1.0 | EPO 322 Diesel Engineering II/Simulator* 1.0 | |
| ET 330 Dynamics* 3.0 | EPO 322L Diesel Engineering II/Simulator Lab▶* 1.0 | |
| ET 332 Strength of Materials* 3.0 | ET 340 Fluid Mechanics* 3.0 | |
| ET 344 Thermodynamics* 3.0 | ET 340L Fluid Mechanics Lab* 1.0 | |
| Total 17.0 | ET 342 Refrigeration and Air Conditioning* 2.0 | |
| | ET 342L Refrigeration and Air Conditioning Lab▶* 1.0 | |
| | ET 370 Electronics▶* 3.0 | |
| | ET 370L Electronics Lab* 1.0 | |
| | FF 200 Basic/Advanced Marine Firefighting▶ 0.0 | |
| | Total 15.0 | |
| <u>FALL 2021</u> | <u>SPRING 2022</u> | |
| ENG 430 Naval Architecture▶* 3.0 | Social Science Elective (Area D-Upper Div) 3.0 | |
| ENG 470 Engineering Management* 3.0 | EPO 217 Shipboard Medical▶ 1.0 | |
| ET 350 Electrical Machinery* 3.0 | ET 460 Automation* 3.0 | |
| ET 350L Electrical Machinery Lab▶* 1.0 | ET 460L Automation Lab▶* 1.0 | |
| ET 400 Instrumentation and Measurement* 3.0 | ET 490 Power Engineering Technology* 3.0 | |
| ET 400L Instrumentation and Measurement Lab* 1.0 | ET 490L Power Engineering Technology Lab* 1.0 | |
| GOV 200 American Government 3.0 | HUM 310 Engineering Ethics (Area C2-Upper Div) 3.0 | |
| [American Institutions II Elective] (Area D-Lower Div) | Total 15.0 | |
| Total 17.0 | | |

**THIRD ASSISTANT ENGINEER'S/OICEW LICENSE
REQUIRED FOR GRADUATION**

CSU Writing Proficiency Requirements may be met by passing the Graduate Writing Exam, or passing EGL 300 Advanced Writing.

▶ STCW Courses (Must receive a "C-" or higher, or "CR")

* Courses in Major (CGPA = 2.0 is required)