THIRD ASSISTANT ENGINEER’S LICENSE COURSES ARE BOLDED. ADDITIONAL UNITS MUST BE ADDED TO TOTAL FOR EACH SEMESTER.

### FALL 2019
- CHE 110 General Chemistry (Area B1) 3.0
- CHE 110L General Chemistry Lab (Area B3) 1.0
- EGL 100 English Composition (Area A2) “G4” 3.0
- EGL 120 Technical Communication (Area A1) “G4” 3.0
- ENG 110 Introduction to Engineering and Technology 1.0
- EPO 110 Plant Operations [ ] 1.0
- ME 125 Introduction to Marine Engineering 3.0
- ME 492L Project Design I Lab 1.0
- ME 394 Fluid/Thermal Lab 2.0
- PHY 200 Engineering Physics I (Area B1) 3.0
- PE 101 Swim Competency Exam 0.0
- PE 102 Beginning/Intermediate Swimming (Area B2) 0.5

Total 20.0

### SPRING 2020
- CHE 105L Marine Survival Lab 1.0
- DL 105X USCG Lifeboatman’s Exam 0.0
- EGL 220 Critical Thinking 3.0
- EPO 201 Basic/Advanced Marine Firefighting 0.0
- EPO 312 Turbines 1.0
- EPO 343 Refrigeration & A/C 1.0
- EPO 349 Fluid/Thermal Lab 2.0
- ME 232 Engineering Statics 3.0
- ME 322L Diesel Engineering II/Simulator 1.0
- ME 330 Engineering Dynamics 3.0
- ME 339 Material/Mechanical Lab 2.0
- ME 494L Project Design II Lab 3.0
- PHY 200L Engineering Physics I Lab (Area B3) 1.0

Total 17.0

### SUMMER CRUISE 2020
- CRU 150 Sea Training I (Engine) 3.0
- CRU 250 Sea Training II 8.0

Total 10.0

### FALL 2020
- ENG 210 Engineering Computer Programming 2.0
- EPO 210 Plant Operations II [ ] 1.0
- EPO 215 Manufacturing Processes 1.0
- EPO 213 Welding Lab 1.0
- MTH 212 Calculus III 4.0
- PE 101 Swim Competency Exam 0.0
- PE 102 Beginning/Intermediate Swimming (Area B2) 0.5

Total 19.0

### SPRING 2021
- ENG 250 Electrical Circuits and Electronics 3.0
- EPO 250L Electrical Circuits and Electronics Lab 1.0
- EPO 214 Boilers 3.0
- EPO 230 Steam Plant System Operations 1.0
- ME 240 Engineering Thermodynamics 3.0
- ME 332 Mechanics of Materials 3.0
- MTH 215 Differential Equations (Area B4) 4.0
- PHY 205 Engineering Physics II (Area B1) 1.0

Total 17.0

### SUMMER CRUISE 2021
- CRU 350 Sea Training III (Engine) 8.0

Total 8.0

### FALL 2021
- Life Science Elective (Area B2) 3.0
- EPO 312 Turbines 3.0
- EPO 322 Diesel Engineering II/Simulator 1.0
- EPO 322L Diesel Engineering II/Simulator Lab 1.0
- ME 340 Engineering Fluid Mechanics 3.0
- ME 350 Electromechanical Machinery 3.0
- ME 350L Electromechanical Machinery Lab 1.0
- ME 360 Instrumentation and Measurement Systems 2.0
- ME 360L Instr. and Measurement Systems Lab 1.0

Total 13.0

### SPRING 2022
- EPO 310 Plant Operations III 1.0
- EPO 343 Refrigeration & A/C 1.0
- ME 339 Material/Mechanical Lab 2.0
- ME 344 Heat Transfer 3.0
- ME 392 Mechanical Design 3.0
- ME 460 Automatic Feedback Control 2.0
- ME 460L Automatic Feedback Control Lab 1.0
- ME 490 Engineering Design Process 3.0
- STEM 1 Stem Course (See Box) 3.0

Total 17.0

### SUMMER CRUISE 2022
- CRU 350 Sea Training III (Engine) 8.0

Total 8.0

### FALL 2022
- American Institutions I Elective (Area D-Lower Div) 3.0
- Social Science Elective (Area D-Lower Div) 3.0
- ENG 430 Naval Architecture [ ] 3.0
- ME 349 Fluid/Thermal Lab 2.0
- ME 492 Project Design [ ] 2.0
- ME 492L Project Design Lab [ ] 1.0
- STEM 2 Stem Course (See Box) [ ]

Total 17.0

### SPRING 2023
- EPO 217 Shipboard Medical 1.0
- GOV 200 American Government 3.0
- HUM 310 Engineering Ethics (Area C2-Upper Div) 3.0
- ME 429 Manufacturing Processes Lab 1.0
- ME 494 Project Design II [ ] 2.0
- ME 494L Project Design II Lab [ ] 3.0
- STEM 3 Stem Course (See Box) [ ]

Total 16.0

### STANDARDS
- Humanities Elective (Area C2-Lower Div) 3.0
- GOV 200 American Government 3.0
- ME 429 Manufacturing Processes Lab 1.0
- ME 494 Project Design II Lab 3.0
- STEM 3 Stem Course (See Box) 3.0