## REVISED 10/04/21 Subject to Change

## THIRD ASSISTANT ENGINEER'S LICENSE OPTION DIVISIONS 3&4 CURRICULUM

**Total Units: 162** 

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

FALL 2018 Humanities Elective (Area C2-Lower Div) CHE 110 General Chemistry (Area B1) CHE 110L General Chemistry Lab (Area B3) EGL 100 English Composition (Area A2) EGL 120 Technical Communication (Area A1) ENG 110 Introduction to Engineering and Technology MTH 210 Calculus I (Area B4) PE 101 Swim Competency Exam PE 102 Beginning/Intermediate Swimming	3.0 3.0 1.0 3.0 3.0 1.0 4.0 0.0 (0.5)	SPRING 2019 DL 105 Marine Survival DL 105L Marine Survival DL 105X USCG Lifeboatman's Exam EGL 220 Critical Thinking [Critical Thinking Elective] (Area A3) EPO 110 Plant Operations I▶ EPO 125 Introduction to Marine Engineering EPO 213 Welding Lab MTH 211 Calculus II (Area B4) NAU 104 Shipboard Security and Responsibility PHY 200 Engineering Physics I (Area B1) PHY 200L Engineering Physics I Lab (Area B3)	1.0 1.0 0.0 3.0 1.0 4.0 1.0 3.0 1.0 1.0	SUMMER CRUISE 2019 CRU 150 Sea Training I (Engine) ▶ 8.0 EPO 220 Diesel Engineering I 2.0 Total 10.0
ENG 210 Engineering Computer Programming EPO 215 Manufacturing Processes I▶  ME 220 Computer Aided Engineering ▶  ME 230 Engineering Materials  ME 231 Engineering Statics  MTH 212 Calculus III (Area B4)  PHY 205 Engineering Physics II (Area B1)  FALL 2020  Life Science Elective (Area B2)  EPO 235 Steam Plant Watch Team Management  EPO 312 Turbines▶  EPO 322 Diesel Engineering II/Simulator  EPO 322 Diesel Engineering II/Simulator  EPO 322 Diesel Engineering II/Simulator  EPO 321 Diesel Engineering II/Simulator  EPO 322 Diesel Engineering II/Simulator  EPO 321 Diesel Engineering II/Simulator  EPO 322 Diesel Engineering II/Simulator  EPO 321 Diesel Engineering II/Simulator  EPO 322 Diesel Engineering II/Simulator  EPO 321 Diesel Engineering II/Simulator  EPO 322 Diesel Engineering II/Simulator  EPO 321 Diesel Engineering II/Simulator  EPO 322 Diesel Engineering II/Simulator  EPO 312 Turbines▶  EPO 312 Turbines  EPO 31	2.0 1.0 1.0 2.0 3.0 3.0 4.0 4.0 Total 19.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0 3.0 3.0 3.0 2.0 3.0 3.0 3.0 7 total 17.0	ENG 250 Electrical Circuits and Electronics ► ENG 250L Electrical Circuits and Electronics Lab ► EPO 214 Boilers ► EPO 214 Boilers ► EPO 230 Steam Plant System Operations ► ME 240 Engineering Thermodynamics ► ME 330 Engineering Dynamics ► ME 332 Mechanics of Materials ► MTH 215 Differential Equations (Area B4)  SPRING 2021  EGL 300 Advanced Writing EPO 310 Plant Operations III ► EPO 343 Refrigeration & A/C ► ME 339 Material/Mechanical Lab ► ME 344 Heat Transfer ► ME 392 Mechanical Design ► ME 460 Automatic Feedback Control ► ME 460L Automatic Feedback Control ► STEM 1 Stem Course (See Box) ► STEM 1 Stem Course (See Box) ► STEM 1 Stem Course (See Box) ► EPO 217 Shipboard Medical ► GOV 200 American Government [American Institutions II Elective] (Area D-Lower Div) ME 429 Manufacturing Processes Lab ► ME 494 Project Design III Lab ► STEM 3 Stem Course (See Box) ► STEM 3 STEM 3 Stem Course (See Box) ► STEM 3 STEM	3.0 1.0 3.0 3.0 3.0 3.0 4.0 17.0 (3.0) 1.0 2.0 3.0 3.0 2.0 1.0 3.0 3.0 1.0 3.0 1.0 3.0 Total 17.0  Total 17.0	SUMMER CRUISE 2020 CRU 250 Sea Training II