**Writing Proficiency Requirement:** All Junior students must demonstrate upper division writing competency as a graduation requirement. This may be fulfilled by passing either the Graduation Writing Exam or EGL 300 Adv. Writing.

### FALL 2015
- **COM 100** Introduction to Computers: 2.0
- **DL 105** Marine Survival: 1.0
- **DL 105L** Marine Survival Lab: 1.0
- **DL 105X** USCSC Lifeboatman’s Exam: 0.0
- **DL 109** Industrial Equipment and Safety: 1.0
- **DL 115** Marlinspike: 1.0
- **MTH 100** College Algebra and Trigonometry: 4.0
- **NAU 103** Introduction to Marine Transportation: 3.0
- **NAU 104** VPDS: 1.0
- **NAU 105** Ship Structure: 2.0
- **NAU 106** Merchant Mariner Fundamentals: 2.0
- **PE 101** Swim Competency Exam: 0.0
- **PE 102** Beginning/Intermediate Swimming: 0.0

**Total:** 15.0 OR 17.0

### SPRING 2016
- **CHE 105** Introductory Chemistry: 3.0
- **CHE 105L** Introductory Chemistry Lab: 1.0
- **DL 110** Small Craft Operations: 1.0
- **DL 120** Cargo Operations: 1.0
- **EGL 31** Social Science Elective: 3.0
- **NAU 110** Seamanship: 3.0

**Total:** 18.0

### FALL 2016
- **DL 111** Ship Operations II: 1.0
- **DL 325** Radar/ARPA*: 2.0
- **DL 325L** Radar/ARPA Lab*: 2.0
- **ELEC 20** Critical Thinking Elective: 3.0
- **NAU 102** Navigation: 4.0
- **NAU 102L** Navigation Lab*: 0.0
- **NAU 305** Rules of the Road: 2.0
- **PHY 100** Physics I: 3.0
- **PHY 100L** Physics I Lab: 1.0

**Total:** 14.0 OR 18.0

### SPRING 2017
- **DL 240** GMDSS*: 2.0
- **DL 240L** GMDSS Lab*: 1.0
- **DL 325** Radar/ARPA*: 2.0
- **DL 325L** Radar/ARPA Lab*: 2.0
- **ELEC 21** Humanities Elective: 3.0
- **NAU 205** Ship Stability: 3.0
- **NAU 310** Electricity-Electronics: 3.0
- **NAU 310L** Electricity-Electronics Lab: 1.0

**Total:** 13.0 OR 17.0

### FALL 2017
- **DL 301** Navigation Piloting Lab*: 1.0
- **DL 310** Marine Supervisory Lab: 1.0
- **EGL 110** Speech Communication: 3.0
- **EGL 300** Advanced Writing: 3.0
- **ELEC 21** Humanities Elective (Lower Div): 3.0
- **FF 200** Basic/Advanced Marine Firefighting*: 0.0
- **NAU 302** Advanced Navigation: 3.0
- **NAU 302L** Advanced Navigation Lab: 0.0
- **NAU 320** Tank Vessel Operations: 3.0
- **NAU 330** Meteorology: 3.0
- **NAU 335** ECDIS*: 2.0
- **NAU 335L** ECDIS Lab*: 1.0

**Total:** 16.0 OR 17.0

### SPRING 2018
- **DL 301** Navigation Piloting Lab*: 1.0
- **DL 311** Marine Management: 1.0
- **DL 320** Introduction to Bridge Simulation: 2.0
- **ELEC 21** Humanities Elective (Lower Div): 3.0
- **FF 200** Basic/Advanced Marine Firefighting*: 0.0
- **NAU 120** Marine Engineering: 3.0
- **NAU 202** Celestial Navigation: 4.0
- **NAU 202L** Celestial Navigation Lab: 0.0
- **NAU 325** Cargo Vessel Operations*: 3.0
- **NAU 335** ECDIS*: 2.0
- **NAU 335L** ECDIS Lab*: 1.0

**Total:** 16.0 OR 17.0

### FALL 2018
- **DL 305** Tug and Barge*: 1.0
- **DL 405** Shipboard Medical*: 1.0
- **DL 405L** Shipboard Medical Lab*: 1.0
- **DL 410** Ship Handling*: 1.0
- **DL 420** Watchstanding Simulation: 2.0
- **ELEC 8** American Institutions Elective: 3.0
- **ELEC 22** Humanities Elective (Upper Div): 3.0
- **HUM 400** Ethics: 3.0
- **NAU 108** Operational Command at Sea: 2.0
- **NAU 410** License Seminar: 2.0
- **NAU 410L** License Seminar Lab: 0.0

**Total:** 16.0 OR 18.0

### SPRING 2019
- **DL 125** Graphics: 1.0
- **DL 305** Tug and Barge*: 1.0
- **DL 405** Shipboard Medical*: 1.0
- **DL 405L** Shipboard Medical Lab*: 1.0
- **DL 410** Ship Handling*: 1.0
- **ELEC 22** Humanities Elective (Upper Div): 3.0
- **LAW 315** Admiralty Law: 2.0
- **MGT 310** Port and Terminal Management: 3.0
- **NAU 415** Transportation Security: 3.0
- **NAU 400** Advanced Maritime Topics: 3.0
- **NAU 420** Maritime Casualty Seminar: 3.0
- **NAU 430** Liquefied Gas Cargos: 2.0
- **NAU 430L** Liquefied Gas Cargos Lab: 1.0

**Total:** 16.0 OR 18.0

### THIRD MATE’S/OICNW LICENSE REQUIRED FOR GRADUATION
- **Divisions 1 & 2** take course
- **Divisions 3 & 4** take course
- **STCW Courses (Must receive a “C-” or higher, or “CR”)**
- **Courses in Major (CGPA = 2.0 is required)**

**NOTE:** Course content/curriculum may be modified to meet STCW or other regulatory requirements.