### OPTIONAL POWER GENERATION MINOR COURSES ARE BOLDED. ADDITIONAL UNITS MUST BE ADDED TO TOTAL FOR EACH SEMESTER.

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 Advanced Writing.

#### FALL 2014
- **CHE 110 General Chemistry**
- **CHE 110L General Chemistry Lab**
- **EGL 100 English Composition**
- **ENG 110 Introduction to Engineering and Technology**
- **ENG 120 Engineering Communications**
- **EPO 110 Plant Operations I**
- **EPO 125 Introduction to Marine Engineering**
- **MTH 210 Calculus I**
- **MTH 210L Calculus Lab**
- **NAU 104 VPDSD**
- **ME 213 Welding Lab**
- **CHE 110L General Chemistry Lab**
- **PHY 200 Engineering Physics I**
- **EPO 125 Introduction to Marine Engineering**
- **EGL 100 English Composition**

#### SPRING 2015
- **CHE 110L General Chemistry Lab**
- **EPO 213 Welding Lab**
- **MTH 210 Calculus I**
- **ME 394 Fluid/Thermal Design**
- **ME 349 Fluid/Thermal Design Lab**
- **ENG 492 Project Design II**
- **STEM 2 Stem Course (See Box)**
- **ME 429 Manufacturing Processes Lab**
- **ME 429 Manufacturing Processes Lab**
- **ME 494 Project Design II**

#### FALL 2015
- **ENG 210 Engineering Computer Programming**
- **ENG 240 Engineering Statics**
- **ENG 210 Engineering Computer Programming**
- **ME 232 Engineering Statics**
- **MTH 212 Calculus III**
- **ME 240 Engineering Thermodynamics**
- **ME 240 Engineering Thermodynamics**
- **PHY 205 Engineering Physics II**
- **MTH 212 Calculus III**

#### SPRING 2016
- **ENG 250 Electrical Circuits and Electronics**
- **ENG 250L Electrical Circuits and Electronics Lab**
- **EPO 214 Boilers**
- **EPO 230 Steam Plant System Operations**
- **ME 240 Engineering Thermodynamics**
- **ME 240 Engineering Thermodynamics**
- **ME 332 Mechanics of Materials**
- **MTH 215 Differential Equations**

#### FALL 2016
- **ENG 250L Electrical Circuits and Electronics Lab**
- **EPO 230 Steam Plant System Operations**
- **ME 240 Engineering Thermodynamics**
- **ME 240 Engineering Thermodynamics**
- **ME 332 Mechanics of Materials**
- **ME 332 Mechanics of Materials**
- **ME 429 Manufacturing Processes Lab**
- **ME 429 Manufacturing Processes Lab**

#### SPRING 2017
- **ME 240 Engineering Thermodynamics**
- **ME 240 Engineering Thermodynamics**
- **ME 332 Mechanics of Materials**
- **ME 332 Mechanics of Materials**
- **ME 429 Manufacturing Processes Lab**
- **ME 429 Manufacturing Processes Lab**
- **ME 494 Project Design II**
- **ME 494 Project Design II**

#### FAL 2017
- **ELEC 8 American Institutions Elective**
- **ELEC 31 Social Science Elective (Lower Division)**
- **ENG 440 Power Engineering**
- **ME 349 Fluid/Thermal Design**
- **ME 349 Fluid/Thermal Design Lab**
- **ME 492 Project Design I**
- **STEM 2 Stem Course (See Box)**
- **ME 494 Project Design II**
- **ME 494 Project Design II**

#### SUMMER CRUISE 2015
- **CRU 150 Sea Training I (Engine)**
- **EPO 220 Diesel Engineering I**

#### SUMMER CRUISE 2016
- **CEP 250 ME Co-Op I**

#### SUMMER CRUISE 2017
- **CEP 350 ME Co-Op II**

### STEM COURSES

#### Energy Design Stem
1. **ME 342 Refrigeration & Air Conditioning (Spring 2017)**
2. **ME 440 Advanced Fluids & Thermodynamics (Spring 2017)**
3. **ME 444 Energy Systems Design (Spring 2018)**

#### Mechanical Design Stem
1. **ME 436 Mechatronic System Design (Spring 2017)**
2. **ME 430 Mechanical Vibrations (Fall 2017)**
3. **ME 432 Machinery Design (Spring 2018)**