Please inform the Registrar’s Office if you choose an alternate option. Otherwise your Academic Advisement Report will be incorrect.

MECHANICAL ENGINEERING MAJOR
ME OPTION – DIVISIONS 3&4
CURRICULUM

Total Units: 152

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 2015
- **CHE 110 General Chemistry** 3.0
- **CHE 110L General Chemistry Lab** 1.0
- **EGL 100 English Composition** 3.0
- **ENG 110 Introduction to Engineering and Technology** 1.0
- **ENG 120 Engineering Communications** 2.0
- **EPO 110 Plant Operations I** 3.0
- **EPO 125 Introduction to Marine Engineering** 1.0
- **EPO 213 Welding Lab** 1.0
- **MTH 210 Calculus I** 4.0
- **PE 101 Swim Competency Exam** 0.0
- **PE 102 Beginning/Intermediate Swimming** (0.5)

Total 19.0

### FALL 2016
- **ENG 210 Engineering Computer Programming** 2.0
- **EPO 215 Manufacturing Processes I** 1.0
- **ME 220 Computer Aided Engineering** 2.0
- **ME 230 Engineering Materials** 3.0
- **ME 232 Engineering Statics** 3.0
- **MTH 212 Calculus III** 4.0
- **PHY 205 Engineering Physics II** 4.0

Total 19.0

### FALL 2017
- **ENG 300 Engineering Numerical Modeling & Analysis** 3.0
- **ME 340 Engineering Fluid Mechanics** 3.0
- **ME 350 Electromechanical Machinery** 3.0
- **ME 360L Electromechanical Machinery Lab** 1.0
- **ME 360L Instrumentation and Measurement Systems** 2.0
- **ME 360L Instr. and Measurement Systems Lab** 1.0

Total 13.0

### SUMMER CRUISE 2016
- **CRU 150 Sea Training I (Engine)** 8.0
- **EPO 220 Diesel Engineering I** 2.0

Total 10.0

### SUMMER CO-OP 2017
- **CEP 250 ME Co-Op I** 3.0

Total 3.0

### FALL 2018
- **ELEC 8 American Institutions Elective** 3.0
- **ELEC 31 Social Science Elective (Lower Division)** 3.0
- **ME 349 Fluid/Thermal Lab** 2.0
- **ME 394 Fluid/Thermal Design** 3.0
- **ME 492 Project Design I** 3.0
- **STEM 2 Stem Course (See Box)** 3.0

Total 17.0

### SPRING 2016
- **DL 105 Marine Survival** 1.0
- **EGL 250 Electrical Circuits and Electronics** 3.0
- **ME 240 Engineering Thermodynamics** 3.0
- **ME 250L Electrical Circuits and Electronics Lab** 1.0
- **ME 230 Engineering Materials** 3.0
- **ME 232 Engineering Statics** 3.0
- **MTH 215 Differential Equations** 4.0
- **Total** 17.0

### SPRING 2017
- **ENG 250 Electrical Circuits and Electronics** 3.0
- **ME 340 Material/Mechanical Lab** 2.0
- **ME 394 Fluid/Thermal Design** 3.0
- **ME 492 Project Design I** 3.0
- **STEM 1 Stem Course (See Box)** 3.0

Total 18.0

### STEM COURSES

<table>
<thead>
<tr>
<th>Energy Design Stem</th>
<th>Mechanical Design Stem</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - ME 342 Refrigeration &amp; Air Conditioning (Spring 2018)</td>
<td>1 - ME 436 Mechanatronic System Design (Spring 2018)</td>
</tr>
<tr>
<td><strong>OR</strong></td>
<td>2 - ME 442 Heating, Ventilation, and A/C Design (Fall 2018)</td>
</tr>
<tr>
<td>2 - ME 440 Advanced Fluids &amp; Thermodynamics (Spring 2018)</td>
<td>3 - ME 444 Energy Systems Design (Spring 2019)</td>
</tr>
<tr>
<td>3 - ME 444 Energy Systems Design (Spring 2019)</td>
<td>3 - ME 436 Mechatronic System Design (Spring 2018)</td>
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