### MAE Major Curriculums

**2015-2016**

*Courses marked with an asterisk are prerequisites to courses in the immediately succeeding or concurrent quarter.*

#### Updated June 2015

**FALL** | **WINTER** | **SPRING**
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#### Aerospace Engineering

**Year 1**
- Math 20A*  
- MAE 2-Intro to Aerospace  
- Chem 6A  
- HSS (College Requirements)

**Math Courses**
- Math 20A*
- Math 20B*
- Math 20C*
- Math 20D
- Phys 2C and 2CL
- MAE 3- Graphics and Design
- MAE 8- Intro. To MatLab
- MAE 105*- Mathematical Physics
- MAE 107- Computational Methods
- MAE 110A- Thermodynamics
- MAE 140- Linear Circuits
- MAE 143A*- Signals and Systems
- MAE 150*- Computer-Aid Design
- HSS

**Other Courses**
- MAE 2-Intro to Aerospace
- Phys 2A*
- Structural Engineering (SE) 2 and 2L
- HSS
- MAE 8- Intro. To MatLab
- MAE 130A*- Statics
- MAE 130B- Dynamics
- HSS
- MAE 105*- Mathematical Physics
- MAE 101A*- Intro to Fluids
- MAE 101B*- Advance Fluids
- MAE 143B- Linear Control
- MAE 143A*- Signals and Systems
- MAE 150*- Computer-Aid Design
- HSS
- MAE 101C*- Heat Transfer
- MAE 142*- Dynamics and Controls
- MAE 155A*- Aerospace Design
- HSS

**Other Topics**
- HSS
- MAE 175A- Engineering Lab

**Mechanical Engineering**

**Year 1**
- Math 20A*  
- Chem. 6A*  
- HSS

**Math Courses**
- Math 20A*
- Math 20B*
- Math 20C*
- Math 20D
- Phys 2A*
- Phys 2B*
- HSS

**Other Courses**
- MAE 2-Intro to Aerospace
- Phys 2A*
- Structural Engineering (SE) 2 and 2L
- HSS
- MAE 8- Intro. To MatLab
- MAE 105*- Mathematical Physics
- MAE 101A*- Intro to Fluids
- MAE 101B*- Advance Fluids
- MAE 143B- Linear Control
- MAE 143A*- Signals and Systems
- MAE 150*- Computer-Aid Design
- HSS
- MAE 101C*- Heat Transfer
- MAE 155A*- Aerospace Design

**Other Topics**
- HSS

**Please contact us if you have any questions.**

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# MAE Major Curriculums
## 2015-2016

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### Environmental Engineering

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<th>Year 3</th>
<th>Year 4</th>
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<td><strong>FALL</strong></td>
<td><strong>WINTER</strong></td>
<td><strong>SPRING</strong></td>
<td><strong>FALL</strong></td>
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<tr>
<td>Math 20A</td>
<td>Math 20B</td>
<td>Math 20C</td>
<td>Math 20D</td>
</tr>
<tr>
<td>Chem 6A</td>
<td>Phys 2A</td>
<td>Phys 2B</td>
<td>Phys 2C and 2CL</td>
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<tr>
<td>HSS</td>
<td>Chem 6B</td>
<td>Chem 6C and 7L</td>
<td>MAE 3- Graphics and Design</td>
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<td>HSS</td>
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### Year 2

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<tbody>
<tr>
<td>Math 20D</td>
<td>Math 20F*</td>
<td>Math 20E</td>
</tr>
<tr>
<td>ESYS 101- Environmental Bio</td>
<td>MAE 130A- Statics</td>
<td>MAE 108 - Statistics</td>
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<tr>
<td>Phys 2C and 2CL</td>
<td>MAE 8- Intro. To MatLab</td>
<td>MAE 124- Environmental Engineering Policy</td>
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<tr>
<td>MAE 3- Graphics and Design</td>
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### Year 3

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<tr>
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<tbody>
<tr>
<td>CENG 100- Modeling and Computations</td>
<td>MAE 101A*- Intro to Fluids</td>
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<tr>
<td>MAE 105- Mathematical Physics</td>
<td>MAE 119- Renewable Energy: Solar and Wind</td>
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<tr>
<td>MAE 107- Computational Methods</td>
<td>MAE 110A- Thermodynamics</td>
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<tr>
<td>CHEM 171- Enviro. Chem</td>
<td>HSS</td>
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