Degree

Bachelor of Science in Mechanical Engineering

Course Catalog

Admission Requirements

- **Academic Progression Standards**
  - Completion of Associate in Arts (AA) degree
  - Completion of all prerequisites with grade of C or higher
  - Cumulative Transfer GPA: 2.0 or higher
  - Earn grade of C or higher in all prerequisites in **two attempts or fewer**
    - Drop/withdrawal grades are considered attempts
  - Be Calculus I ready: Completion of MAC 1140 **and** MAC 1114 or MAC 1147 with grade of C or higher in each course

Special Notes

- We strongly encourage students to complete math and science courses **every term** to make satisfactory progress toward completing all prerequisites and AA degree prior to transfer.
- The additional lower division course below is required for this program. We encourage students to take the course (as an elective) prior to completing the AA.

### PREREQUISITES

<table>
<thead>
<tr>
<th>BC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>MAC 2311 Calculus and Analytical Geometry I</td>
<td>MAC 2311</td>
</tr>
<tr>
<td>MAC 2312 Calculus and Analytical Geometry II</td>
<td>MAC 2312</td>
</tr>
<tr>
<td>MAC 2313 Calculus and Analytical Geometry III</td>
<td>MAC 2313</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>MAP 2302</td>
</tr>
<tr>
<td>CHM 1045 + CHM 1045L General Chemistry I + Lab</td>
<td>CHM 1045 + Lab</td>
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<tr>
<td>PHY 2048 + PHY 2048L General Physics with Calculus I + Lab</td>
<td>PHY 2048 + Lab</td>
</tr>
<tr>
<td>PHY 2049 + PHY 2049L General Physics with Calculus II + Lab</td>
<td>PHY 2049 + Lab</td>
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### ADDITIONAL LOWER DIVISION COURSES

<table>
<thead>
<tr>
<th>BC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>EGS 1001 Introduction to Engineering</td>
<td>EGS 1006</td>
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