Degree

**Bachelor of Science in Mechanical Engineering**

Concentrations available in: Aerospace, Robotics, and Heating, Ventilation & Air Conditioning

[Course Catalog](https://cec.fiu.edu/academics/student-resources/advising/)

Advising Information

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**Admission Requirements**

- Completion of Associate in Arts (AA) degree
- Cumulative Transfer GPA: 2.0
- To be fully admitted to the program, students must be Calculus I ready (have completed MAC 1114 + MAC 1140 OR MAC 1147, with a grades of C or better in each course).

**Special Notes**

- It is highly recommended that you complete all of your math and science prerequisites before transferring to FIU.
- Engineering students should take math and science courses every term at MDC in order to make efficient progress towards the degree. Delaying math and science courses effectively delays graduation as such courses are pre-requisites for upper level engineering coursework at FIU.

<table>
<thead>
<tr>
<th>MDC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>CHM 1045 + CHM 1045L General Chemistry &amp; Qual. Analysis + Lab</td>
<td>CHM 1045 + Lab</td>
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<tr>
<td>MAC 2311 Calculus and Analytical Geometry 1</td>
<td>MAC 2311</td>
</tr>
<tr>
<td>MAC 2312 Calculus and Analytical Geometry 2</td>
<td>MAC 2312</td>
</tr>
<tr>
<td>MAC 2313 Calculus and Analytical Geometry 3</td>
<td>MAC 2313</td>
</tr>
<tr>
<td>MAP 2302 Introduction to Differential Equations</td>
<td>MAP 2302</td>
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<tr>
<td>PHY 2048 + PHY 2048L Physics w/ Calculus 1 + Lab</td>
<td>PHY 2048 + Lab</td>
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<tr>
<td>PHY 2049 + PHY 2049L Physics w/ Calculus 2 + Lab</td>
<td>PHY 2049 + Lab</td>
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**ADDITIONAL LOWER DIVISION REQUIREMENTS**

<table>
<thead>
<tr>
<th>MDC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>EGN 1008C Introduction to Engineering</td>
<td>EGS 1006</td>
</tr>
<tr>
<td>COP 2270 “C” for Engineers</td>
<td>EML 2032*</td>
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<tr>
<td>EGS 2312 Engineering Mechanics – Statics (w/Vectors)</td>
<td>EGN 3311*</td>
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*These courses grant upper division credit in the Mechanical Engineering program. Exception made for Mechanical Engineering majors only.*