Electrical Engineering
2023-2024 Miami Dade College Transfer Guide

Degree
Bachelor of Science in Electrical 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
  - Completion of MAC 2311 with grade of C or higher

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 courses below are required for this program. We encourage students to take as many of these courses as possible (as electives) prior to completing the AA.

## PREREQUISITES

<table>
<thead>
<tr>
<th>MDC Course</th>
<th>FIU Course</th>
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<tbody>
<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>
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<tr>
<td>MAP 2302 Introduction to Differential Equations</td>
<td>MAP 2302</td>
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<tr>
<td>CHM 1045 + CHM 1045L Chemistry &amp; Qualitative Analysis + Lab</td>
<td>CHM 1045 + Lab</td>
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<td>OR</td>
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<tr>
<td>BSC 2010 + BSC 2010L Principles of Biology 1 + Lab</td>
<td>BSC 2010 + Lab</td>
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<tr>
<td>PHY 2048 Physics with Calculus 1 (Lab not required at FIU)</td>
<td>PHY 2048</td>
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<tr>
<td>PHY 2049 + PHY 2049L Physics with Calculus 2 + Lab</td>
<td>PHY 2049 + Lab</td>
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## ADDITIONAL LOWER DIVISION COURSES

<table>
<thead>
<tr>
<th>MDC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>MAS 3105 Linear Algebra*</td>
<td>EEL 3120</td>
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<tr>
<td>STA 2023 Statistical Methods*</td>
<td>ESI 3215</td>
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<tr>
<td>SPC 2608 Introduction to Public Speaking</td>
<td>SPC 2608</td>
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<td>OR</td>
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<tr>
<td>SPC 1017 Introduction to Communication*</td>
<td>SPC-satisfies speech requirement</td>
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<tr>
<td>EGN 1008C Introduction to Engineering</td>
<td>EGN 1002</td>
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<tr>
<td>COP 1334 Introduction to C++ Programming*</td>
<td>EEL 2880</td>
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<td>OR</td>
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<tr>
<td>COP 2270 “C” for Engineers*</td>
<td>EEL 2880</td>
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*Course transfers as noted for Electrical Engineering majors.