Electrical Engineering
2023-2024 Palm Beach State 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>PBSC Course</th>
<th>FIU Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry 1</td>
<td>MAC 2311</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry 2</td>
<td>MAC 2312</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry 3</td>
<td>MAC 2313</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>MAP 2302</td>
</tr>
<tr>
<td>BSC 1010 + BSC 1010L Principles of Biology 1 + Lab</td>
<td>BSC 2010 + Lab</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>CHM 1045 + CHM 1045L General Chemistry 1 + Lab</td>
<td>CHM 1045 + Lab</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHY 2048 General Physics with Calculus 1 (Lab not required at FIU)</th>
<th>PHY 2048</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2049 + PHY 2049L General Physics with Calculus 2 + Lab</td>
<td>PHY 2049 + Lab</td>
</tr>
</tbody>
</table>

### ADDITIONAL LOWER DIVISION COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>FIU Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistics*</td>
<td>ESI 3215</td>
</tr>
<tr>
<td>SPC 2608 Public Speaking</td>
<td>SPC 2608</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>SPC 1017 Fundamentals of Speech Communication*</td>
<td>SPC-satisfies speech requirement</td>
</tr>
<tr>
<td>EGN 1002C Introduction to Engineering</td>
<td>EGN 1002</td>
</tr>
<tr>
<td>COP 2334 Programming in C++ *</td>
<td>EEL 2880</td>
</tr>
<tr>
<td>COP 2800 Programming in Java*</td>
<td>COP 2210</td>
</tr>
</tbody>
</table>

*Course transfers as noted for Electrical Engineering majors.