

Electrical Engineering

2022-2023 Miami Dade College Transfer Guide



College of Engineering & Computing



Degree

[Bachelor of Science in Electrical Engineering](#)
[Course Catalog](#)

Advising Information

<https://cec.fiu.edu/academics/student-resources/advising/advising-undergraduate/advising-staff>

Admission Requirements

- **Academic Progression Standards**
 To progress into upper-division coursework, students must earn a C or better in ALL prerequisites in **two attempts or fewer**. Drops after the add/drop period are considered an attempt in the course.
- Completion of Associate in Arts (AA) degree
- Cumulative Transfer GPA: 2.0
- To be fully admitted to the program, MAC 2311 must be completed with a grade of C or better.

Special Notes

- It is highly recommended that you complete all of your math and science prerequisites at MDC to avoid Excess Credit Surcharge at 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 prerequisites for upper level engineering coursework at FIU.

PREREQUISITES

MDC Course	FIU Course
CHM 1045 + CHM 1045L Chemistry & Qual. Analysis + Lab	CHM 1045 + Lab
OR	
BSC 2010 + BSC 2010L Principles of Biology 1 + Lab	BSC 2010 + Lab
MAC 2311 Calculus & Analytical Geometry 1	MAC 2311
MAC 2312 Calculus & Analytical Geometry 2	MAC 2312
MAC 2313 Calculus & Analytical Geometry 3	MAC 2313
MAP 2302 Introduction to Differential Equations	MAP 2302
PHY 2048 Physics w/ Calculus 1 (Lab not required)	PHY 2048
PHY 2049 + PHY 2049L Physics w/ Calculus 2 + Lab	PHY 2049 + Lab

ADDITIONAL LOWER/UPPER DIVISION REQUIREMENTS

SPC 2608 Introduction to Public Speaking	SPC 2608
OR	
SPC 1017 Fundamentals of Speech Communication	
EGN 1008C Introduction to Engineering	EGN 1002
COP 2270** "C" for Engineers	EEL 2880
OR	
COP 1334** Introduction to C++ Programming	EEL 2880

STA 2023** Statistical Methods

ESI 3215

MAS 3105** Linear Algebra

EEL 3120

***These courses award credit in the Electrical Engineering program; exception made for Electrical Engineering majors only.*