

Electrical Engineering

2024-2025 Miami Dade College Transfer Guide



College of Engineering & Computing



Degree

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

Admission Requirements

- **Academic Progression Standards**
 - Complete Associate in Arts (AA) degree
 - Complete 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
 - Complete 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

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

ADDITIONAL LOWER DIVISION COURSES

MAS 3105 Linear Algebra*	EEL 3120
STA 2023 Statistical Methods*	ESI 3215
OR	
SPC 2608 Introduction to Public Speaking	SPC 2608
SPC 1017 Introduction to Communication	SPC 1ART-satisfies requirement
OR	
EGN 1008C Introduction to Engineering	EGN 1002
OR	
COP 1334 Introduction to C++ Programming*	EEL 2880
COP 2270 "C" for Engineers*	EEL 2880

*Course transfers as noted for Electrical Engineering majors.