

Mechanical Engineering

2024-2025 Miami Dade College Transfer Guide



College of Engineering & Computing



Degree

[Bachelor of Science in Mechanical 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
 - Be Calculus I ready: Complete MAC 1140 **and** MAC 1114 **or** MAC 1147 with grade of C or higher in each course

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 course below is required for this program. We encourage students to take the course (as an elective) 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
CHM 1045 + CHM 1045L General Chemistry & Qualitative Analysis 1 + Lab	CHM 1045 + CHM 1045L
PHY 2048 + PHY 2048L Physics with Calculus 1 + Lab	PHY 2048 + PHY 2048L
PHY 2049 + PHY 2049L Physics with Calculus 2 + Lab	PHY 2049 + PHY 2049L

ADDITIONAL LOWER DIVISION COURSES

EGN 1008C Introduction to Engineering	EGS 1006
COP 2270 "C" for Engineers*	EML 2032
EGN 2312 Engineering Mechanics – Statics (with Vectors)*	EGN 3311

**Course transfers as noted for Mechanical Engineering majors.*