

Mechanical Engineering

2022-2023 Miami Dade College Transfer Guide



College of Engineering & Computing



Degree

[Bachelor of Science in Mechanical 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, students must be Calculus I ready (have completed MAC 1114 + MAC 1140 OR MAC 1147, with a grade of C or better in each course).

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 pre-requisites for upper level engineering coursework at FIU.

PREREQUISITES

MDC Course	FIU Course
CHM 1045 + CHM 1045L General Chemistry & Qual. Analysis 1 + Lab	CHM 1045 + Lab
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
PHY 2048 + PHY 2048L Physics w/ Calculus 1 + Lab	PHY 2048 + Lab
PHY 2049 + PHY 2049L Physics w/ Calculus 2 + Lab	PHY 2049 + Lab

ADDITIONAL LOWER DIVISION REQUIREMENTS

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

*These courses grant upper division credit in the Mechanical Engineering program. Exception made for Mechanical Engineering majors only.