Engineering Management Major with a Manufacturing Technical Specialty Course Flow Chart (revised 2/2025)

Student: **Advising Dates:**

Freshman Year

Legend
P – pre-req
C – co-req
P/C – pre or co-req

CEC 111
Imagination, Ingenuity, and Impact I
(Fall only)

CEC 112
Imagination, Ingenuity, and Impact II
(Spring Only)

MTH 151
PHY 181
PHY 183
MTH 251
PHY 182
CHM 141

Students in the Honors Program need to consult with Honors advisors on selection of their Honors customized educational plan INSTEAD of Miami's general education requirements.

ENG 111
PA 3A A.H
PA 3B A.H

Sophomore Year

(P/C) MME211
MME 201
Modeling and Design

(P) MTH 151
(P/C) CHM 141
MME 223
Engineering Materials

(P/C) STA 301 or STA 261
MME 231
Manufacturing Processes

(P/C) MTH 251
(P) PHY 192
ECE 205
Electric Circuit Analysis

(P) MTH 151
(P) PHY 191
(P/C) MME 102
MME 211
Static Modeling of Mechanical Systems

ECO 201
MTH 246
ACC 221
ECO 202
STA 301 or STA 261

Junior Year

Student's Choice - in consultation with advisor. Note pre/co-requisites and terms offered.

MME 301
Product Development

(P) STA 301
CSE 372
Or
STA 401

(P/C) MTH 246
MME 305
Measurements and Instrumentation

Min C-
MME 312
Mechanics of Materials

(P) MTH 151
(P/C) STA 301 or STA 261
MME/CPB 341
Engineering Economics

MGT 291

(P) STA 301 or STA 261
EGM 411

ENG 313

(P) STA 301 or STA 261
MGT 295

(P) ECO 201
MKT 291

PA 4B G.C

Senior Year

Senior Standing
MME 448
Senior Design Projects

Senior Standing
MME 449
Senior Design Projects

(P) STA 301 or STA 261
MME 334
Quality Planning & Control

MME 331
Advance Manufacturing and Design

(P) MTH 251
MME 411
Machine & Tool Design

MME 337
Manufacturing Automation

MGT Track
PA 4C G.C

MGT Track
PA 4A G.C
PA 4B or 4C G.C

Textual Description of Engineering Management with a Manufacturing Technical Specialty Course Flowchart

This chart shows the courses needed to graduate, when those courses are typically taken, and the order in which the courses must be taken. The main area of the chart shows four boxes, one each for first-year, sophomore, junior, and senior years. Within each year, classes are shown in roughly two columns representing fall then spring semester. Courses are listed within each semester to indicate when the course is typically taken. An arrow leaving a course and pointing to another course indicates that the first course must be taken prior to taking the second course. Below all the years is a section containing a collection of courses that can be taken when convenient for the student and therefore no particular semester is recommended. All students may have some variation in degree plans, be sure to be communication with your academic advisor.