

# Engineering Management Major with a Manufacturing Technical Specialty Course Flow for 2021-22 (revised 1/2021)

Student:

Advising Dates:

Freshman Year

Sophomore Year

Junior Year

Senior Year

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

CEC 101  
 Computing,  
 Engineering &  
 Society  
 (Fall only)

MTH 151      MTH 251  
 PHY 191      PHY 192

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      MP Fine Arts  
 MP Global Perspective

MME 102  
 Intro to MME  
 Or equivalent  
 (Spring only)

(P/C) MME211  
 MME 201  
 Modeling and  
 Design

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

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

CHM 141  
 CHM 144  
 ECO 201  
 MTH 246

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

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

ACC 221  
 ECO 202  
 STA 301 or  
 STA 261

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

MME 301  
 Product  
 Development

(P) STA 301  
 CSE 372  
 (Fall only)

MME 434  
 Manufacturing  
 Design  
 (Fall only)

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

Min C-  
 MME 312  
 Mechanics of  
 Materials

ENG 313      MGT 291  
 (P) STA 301 or  
 STA 261      (P) STA 301 or  
 STA 261  
 EGM 411      MGT 302  
 (P) ECO 201  
 MKT 291

MP Humanities.  
 MP Intercultural  
 Perspective

Senior Standing  
 MME 448  
 Senior Design  
 Projects

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

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

MGT Track

MP Global Perspective      MP Biological Sci.  
 MP Thematic Sequence      MP Thematic Sequence

Senior Standing  
 MME 449  
 Senior Design  
 Projects

MME 437  
 Manufacturing  
 Automation  
 (Spring only)

MGT Track

Textual Description of Engineering Management with 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.