

# Manufacturing Engineering Major Course Flow (revised 04/23/2020)

**Student:**

**Advising Dates:**

**1<sup>st</sup> Year**

**2<sup>nd</sup> Year**

**3<sup>rd</sup> Year**

**4<sup>th</sup> Year**

MME 102  
Intro to MME  
Or equivalent

**(P/C) MME211**  
MME 201  
Modeling and  
Design

MME 301  
Product  
Development

**Senior Standing**  
MME 448  
Senior Design  
Projects

**Senior Standing**  
MME 449  
Senior Design  
Projects

CEC 101  
Computing,  
Engineering &  
Society

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

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

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

MME 435  
Manufacturing  
Competitiveness  
(Fall only)

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

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

**(P) MTH 251**  
MME 311  
Dynamic  
Modeling of  
Mechanical  
Systems

MME 312  
Mechanics of  
Materials

MME 411  
Machine & Tool  
Design

MTH 151  
PHY 191

MTH 251  
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 Humanities  
MP Global Perspective

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

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

**(P/C) MTH 251**  
MME/CPB 314  
Engineering  
Thermodynamics

MFG Track  
Course 1

MFG Track  
Course 2

CHM 141  
CHM 144  
MTH 246

ECO 201  
MTH 252  
STA 301  
Or  
STA 261

ENG 313

**(P) MTH 151**  
**(p) MME 102**  
**(P/C) STA 301  
or STA 261**  
MME/CPB 341  
Engineering  
Economics

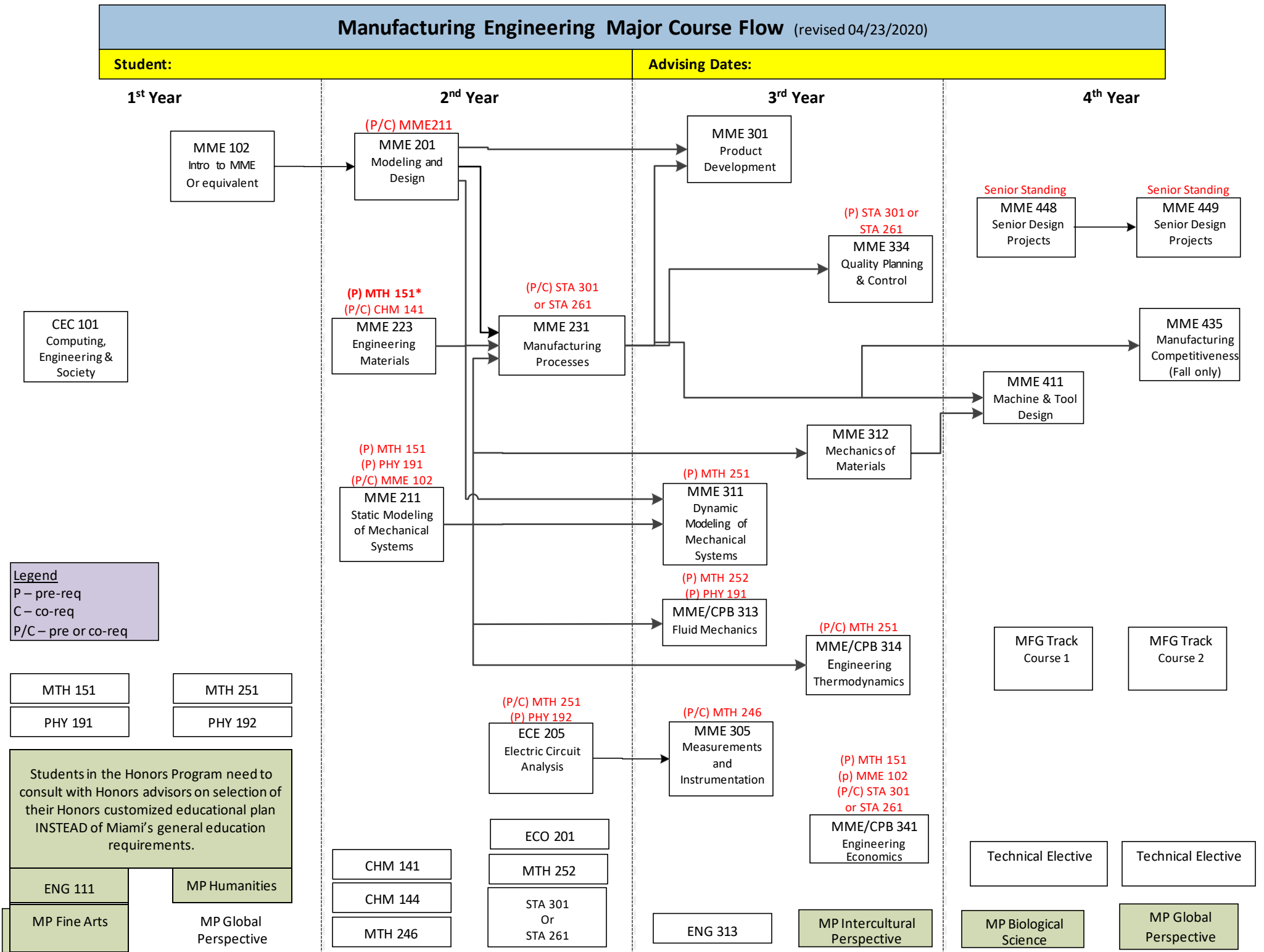
MP Intercultural  
Perspective

Technical Elective

MP Biological  
Science

Technical Elective

MP Global  
Perspective



## Textual Description of Manufacturing Engineering 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.