

# Pre-Mechanical Engineering

## FIRST YEAR

## SECOND YEAR

FALL

WINTER

SPRING

FALL

WINTER

SPRING

ME 101  
Or  
ENGR 111  
(3cr, F)

ENGR 248  
ENGR Graphics  
With SolidWorks  
(3cr, WS)

ENGR 112  
Or Fall Yr 2  
(3cr, FWS)

CH 201/221  
Chemistry  
(3cr, F) / (5cr, FWU)

CH 202 + 205  
Or CH 222  
Chemistry  
(3+1cr, W) / (5cr, WSU)

MTH 251  
Differential  
Calculus  
(4cr, FWSU)

MTH 252  
Integral  
Calculus  
(4cr, FWSU)

MTH 254  
Vector  
Calculus  
(4cr, FWSU)

WR 121  
English  
Composition  
(3cr, FWSU)

COMM  
111/114  
Speech  
(3cr, FWSU)

PH 211  
Physics  
w/Calculus  
(4cr, FSU)

Perspectives  
Western  
Culture  
(3cr, FWSU)

Perspectives  
Cultural  
Diversity  
(3cr, FWSU)

Lifetime  
Fitness  
HHS/231 &  
PAC  
(2+1cr, FWSU)

MTH 254 Co-Req  
ENGR 211  
Statics  
(3cr, FWS)

Perspectives  
BioScience  
(4cr, FWSU)

MTH 256  
Differential  
Equations  
(4cr, FWSU)

PH 212  
Physics  
w/Calculus  
(4cr, FW)

ME 250  
Intro to Mfg  
Processes  
(1cr, FWS)

ENGR 213  
Strength of  
Materials  
(3cr, FWS)

ENGR 201  
Electrical  
Fundamentals  
(3cr, FWS)

MTH 306  
Matrix & Power  
Series Methods  
(4cr, FWSU)

PH 213  
Physics  
w/Calculus  
(4cr, WS)

Perspectives  
Literature &  
Arts  
(3cr, FWSU)

ENGR 212  
Dynamics  
(3cr, FWS)

ENGR 202  
Electrical  
Fundamentals  
(3cr, FWS)

ST 314  
Statistics  
For Engineers  
(3cr, FWSU)

WR 327  
Technical  
Report Writing  
(3cr, FWSU)

ENGR 391  
Engineering  
Economics & Project  
Management  
(3cr, WS)

ENGR 211

PH 211

Soph. Stdg.

MTH 251 & 252

MTH 252

MTH 252

MTH 254

WR 121

Soph. Stdg.

ENGR 248

● Shaded courses are required by the college prior to admission to the Professional Engineering Program

⊗ Shaded courses are additional prerequisites for third-year courses.