BSME - Mechanical Engineering Program

Freshmen Year

Fall 16 Credits

College Writing Writ 1120 (3) LEC 1
Introduction to Solid Modeling ENGR 1222 (2)
Gen. Chem. Lab I Chem 1154 (1) LEC 4/5
Advanced Writing Writ 3130/50/80 (3)
Materials Engineering Lab IE 3122 (2)

Spring 15 Credits

Gen. Chem. I Chem 1153 (4) LEC 4/5
Intro to Engineering ENGR 1210 (2)
Introduction to Solid Modeling ENGR 1222 (2)
Stat for Engineers Stat 3411 (3)

Sophomore Year

Fall 16 Credits

Calculus I Math 1296 (5) LEC 2
Materials Science ME 2105 (3)
Math. Science ME 2105 (3)
Materials Processing Engineering IE 3130 (3)

Spring 17 Credits

Introduction to Engineering ENGR 1210 (2)
Physics I Phys 2011 (4) LEC 4/5
Mathematical Physics and Linear Algebra Phys 2011 (4) LEC 4/5

Fall 16 Credits

Physics I Phys 2011 (4) LEC 4/5
Introduction to Engineering ENGR 1210 (2)
Calculus I Math 1296 (5) LEC 2

Spring 16 Credits

Calculus II Math 1297 (5)
Multidisciplinary Engineering Prof

Senior Year

Fall 16 Credits

Partial Differential Equations Math 4020 (3)
Fluid Mechanics ME 3111 (3)
Calculus II Math 1297 (5)

Spring 14 Credits

Economics Econ 1022/22 (3) LEC 6
Dynamics ME 2226 (3)
Economics Econ 1022/22 (3) LEC 6

Fall 16 Credits

Fluid Mechanics ME 3111 (3)
Thermodynamics ME 3211 (3)

Spring 15 Credits

Thermodynamics ME 3211 (3)
Syst. Dynamics and Control ME 3140 (3)

Notes:

- Liberal education courses must meet Cultural Diversity and International Perspective requirements.
- Solid arrows are pre-requisites, dashed arrows are co-requisites.
- Students must maintain 2.50 GPA or better, receive C- or better in all courses, and maintain 75% course completion ratio.

Credits:

- Freshmen Year: 31 Credits
- Sophomore Year: 37 Credits
- Junior Year: 35 Credits
- Senior Year: 34 Credits
- Total: 127 Credits