

Mechanical Engineering B.S.M.E.

2- Year Plan of Study

Items marked with a ☒ are critical for the student to remain on track for graduation.

Notes

The Plan of Study is a static review of the degree. Connect with your major advisor for a personalized path toward graduation.

Potential Entry Level Job Titles:

Aeronautics, Aerospace and Propulsion Engineer ◦ Automotive, Fuel Cells and Transportation Engineer ◦ Propulsion Systems, Electronic Systems, Power Generation Engineer ◦ Heating, Ventilation, and Air Conditioning Engineer ◦ Structures and Machinery Design Engineer ◦ Micro and Nano Materials, Semiconductors Engineer

Potential Entry Level Salary Range:

\$50,000 - \$128,000

Semester 1 - Fall

Crit	Course/Requirement	Credits
<input type="checkbox"/>	EGN 3000 - Foundations of Engineering	0
<input checked="" type="checkbox"/>	EGN 3311 - Statics	3
<input type="checkbox"/>	EGN 3365 - Materials Engineering I	3
<input checked="" type="checkbox"/>	EGN 3373 OR EML 3390	3
<input checked="" type="checkbox"/>	EGN 2440 OR STA 2023	3
<input type="checkbox"/>	ECO 2023 OR EGN 2615 OR FIN 2100	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 2 - Spring

Crit	Course/Requirement	Credits
<input checked="" type="checkbox"/>	EGN 3321 - Dynamics	3
<input checked="" type="checkbox"/>	EGN 3343 - Thermodynamics I	3
<input checked="" type="checkbox"/>	EML 3500 - Mechanics of Solids	3
<input checked="" type="checkbox"/>	EML 3022 - Computer Aided Design & Engr	3
<input checked="" type="checkbox"/>	EML 3035 - Programming Concepts Mech Engr	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 3 - Summer		
Crit	Course/Requirement	Credits
<input checked="" type="checkbox"/>	EML 3041 - Computational Methods	3
<input checked="" type="checkbox"/>	EML 3262 - Kinematics/Dynamics-Machinery	3
<input checked="" type="checkbox"/>	EML 3701 - Fluid Systems	3
<input checked="" type="checkbox"/>	EML 4325 - Mech Manufacturing Processes	3
<input type="checkbox"/>		

Semester 4 - Fall		
Crit	Course/Requirement	Credits
<input checked="" type="checkbox"/>	EML 3303 - Mechanical Engineering Lab I	3
<input type="checkbox"/>	EML 4501 - Machine Design	3
<input type="checkbox"/>	EML 4220 - Vibrations	3
<input checked="" type="checkbox"/>	EML 4550 - Capstone Design I	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 5 - Spring		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	EML 4123 - Heat Transfer	3
<input type="checkbox"/>	EML 4302 - Mechanical Engineering Lab II	3
<input type="checkbox"/>	EML 4312 - Mechanical Controls	3
<input type="checkbox"/>	EML 4551 - Capstone Design II	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>	Apply for Graduation	0
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		