

Mechanical Engineering (BSME) Four-Year Plan

Mechanical Engineering - BSME 2022-23 Four-Year Plan*

Freshman

First Term	Hours	Second Term	Hours
MATH 211		4 MATH 212	4
CHEM 121N		3 PHYS 231N	4
CHEM 122N		1 MAE 111	2
ENGL 110C		3 MET 230	3
ENGN 110		2 ENGN 150	4
COMM 101R		3	
		16	17

Sophomore

First Term	Hours	Second Term	Hours
PHYS 232N		4 MAE 205	3
MATH 312		4 MAE 220	3
MAE 204		3 MAE 225	1
MAE 201		3 MATH 307	3
MAE 203		1 Interpreting the Past Way of Knowing	3
ENGL 231C		3 STAT 330	3
		18	16

Junior

First Term	Hours	Second Term	Hours
MAE 303		3 MAE 312	3
MAE 305		1 MAE 332	3
MAE 311		3 MAE 315	3
MAE 340		3 MAE 336	3
Literature Way of Knowing		3 Philosophy and Ethics Way of Knowing**	3
Human Creativity Way of Knowing		3 Human Behavior Way of Knowing	3
		16	18

Senior

First Term	Hours	Second Term	Hours
MAE 433		3 MAE 435	3
MAE 434W		3 MAE Option Course	3
MAE 436		3 MAE Option Course	3
MAE Option Course		3 Upper-Division General Education course	3

Upper-Division
General Education
course

3

15

12

Total credit hours: 128

- * Does not include the University's General Education language and culture requirement. Additional hours may be required.
- ** ENMA 480 is preferred.

General Education requirements in information literacy and research and impact of technology are met through the major. For additional information consult the department undergraduate handbook.

Mechanical engineering majors must earn a grade of C or better in the following courses in order to continue to progress through the program:

ENGL 110C	English Composition	3
ENGL 231C	Introduction to Technical and Scientific Writing	3
MATH 211	Calculus I	4
MATH 212	Calculus II	4
CHEM 121N	Foundations of Chemistry I Lecture	3
PHYS 231N	University Physics I	4
MAE 204	Engineering Mechanics I - Statics	3
MAE 205	Dynamics	3
MAE 220	Engineering Mechanics II - Solid Mechanics	3
MAE 303	Mechanics of Fluids	3
MAE 311	Thermodynamics I	3
MAE 332	Mechanical Engineering Design I	3
MAE 434W	Project Design and Management I	3

The four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.