

4-Year Academic Plan: Mechanical Engineering

The following is a sample outline demonstrating 4-year completion of this bachelor's degree. Each student's reality will vary slightly, as this plan does not include transfer work, Advanced Placement (AP), or concurrent enrollment credits. Math and English placement will be based on the student's ACT/SAT scores. PLEASE NOTE: The following plan assumes students are prepared to take the Math course listed. If prerequisites are required, additional semesters may be required to complete degree.

This is a **GUIDE ONLY**. Please meet with your academic advisor and consult DegreeWorks for specifics.

1st Year Fall (16 credits)					1st Year Spring (16 credits)				
ENGL	1010	Intro. to Academic Writing	3	F/S/Su	ENGL	2010	Intermediate Writing	3	F/S/Su
CSIS	1000	Intro to Computers & Internet	3	F/S/Su	LM	1010	Information Literacy	1	F/S/Su
MATH	1210	Calculus I	4	F/S/Su	MATH	1220	Calculus II	4	F/S
CHEM	1210/15	General Chemistry I	4/1	F/S/Su	PHYS	2210/15	Physics for Science & Engineers I	4/1	F/S
ENGR	1000	Engineering Success	1	F/S	ENGR	1010	Engineering in the 21st Century	3	F/S
2nd Year Fall (16 credits)					2nd Year Spring (14 credits)				
EDGE	1010	Becoming an Engaged Learner	1	F/S/Su	MATH	2210	Calculus III	4	F/S
XXXX	XXXX	American Institutions	3	F/S/Su	ENGR	2030	Dynamics	3	S
MATH	1040	Statistics	4	F/S/Su	ENGR	2140/45	Strength of Materials/Lab	3/1	S
PHYS	2220/25	Physics for Scientists & Engrs II	4/1	F/S	ENGR	2170	Programming for Engineers	3	F/S
ENGR	2010	Statics	3	F					
3rd Year Fall (17 credits)					3rd Year Spring (18 credits)				
MATH	2250	Linear Alg & Diff. Equations	4	F	EDGE	30XX	Project Proposal & Planning	1	F/S/Su
ENGR	1030	Comp-Aided Design SolidWorks	3	F/S	ENGR	2250/55	Electrical Circuits/Lab	3/1	S
ENGR	3000	Thermodynamics	3	F	ENGR	3030	Project Management	3	S
ENGR	3010/15	Material Science/Lab	3/1	F	ENGR	3050/55	Fluid Mechanics	3/1	3
ENGR	3700	Machine Design	3	F	ENGR	4300	Vibrations	3	S
					COMM	4240 or	Technical Writing	3	F/S/Su
					ENGL	3120	Grant & Technical Writing		S
4th Year Fall (16 credits)					4th Year Spring (13 credits)				
XXXX	XXXX	GE Knowledge Area	3	F/S/Su	XXXX	XXXX	GE Knowledge Area	3	F/S/Su
XXXX	XXXX	GE Knowledge Area	3	F/S/Su	EDGE	40XX	Project Reporting & Reflection	1	F/S/Su
ENGR	4010	Heat Transfer	3	F	ENGR	4060	Manufacturing	3	S
ENGR	4025	Engr Capstone Design Lab I	3	F	ENGR	4085	Engr Capstone Design Lab II	3	S
ENGR	4030/35	Electronics/Lab	3/1	F	ENGR	4710	Instrumentation & Measure-ment	3	S
*UD	Bus Elec	Upper Division Business Elective	3	F/S/Su					

Color Key:

General Education Courses (green)

EDGE Program Courses (orange)

Major-required courses that also fulfill GE requirement (purple)

Major Courses (black)

Electives/minor/etc. (red)

Other Notes:

► * Can choose between ENGL 3120 and COMM 4240

All Engineering majors must pass or attempt the FE exam at least twice in order to have their degree posted