

Recommended Four-Year Plan of Study COLLEGE OF ENGINEERING
Bachelor of Science in Mechanical Engineering

Four Year Plan of Study			
First Year of Enrollment			
First Term		Second Term	
Course Prefix & Number	Credit Hours	Course Prefix & Number	Credit Hours
ENGL 1157 - English Composition I	3	ENGL 1158 or 1159 - English Composition II	3
MATH 2114 - Calculus I	4	MATH 2124 - Calculus II	4
CHEM 1017 - General Chemistry I	3	PHYS 1062 - Physics for Sci & Engr II	3
PHYS 1061 - Physics for Sci & Engr I	3	PHYS 1065 - Physics Lab for Sci & Engr II	1
PHYS 1063 - Physics Lab for Sci & Engr I	1	CSCI 1205 - Intro to Programming in C++	3
Social Science Elective	3	ENME 1781 - Computer Aided Engr	3
UNIV 1001 - Univ Success or ENGR 1000 ¹	1		
Total Hours	18	Total Hours	17
Second Year of Enrollment			
First Term		Second Term	
Course Prefix & Number	Credit Hours	Course Prefix & Number	Credit Hours
ENGL 2152 - Technical Writing	3	MATH 2134 - Calculus III	4
MATH 2221 - Elem Differential Equations	3	ENCE 2311 - Mechanics of Materials Lab	1
ENEE 2550 - Circuits I	3	ENCE 2351 - Mechanics of Materials	3
ENCE 2350 - Statics	3	ENME 2750 - Dynamics	3
ENME 2740 - Structs & Prop of Materials	3	ENME 2770 - Engineering Thermodynamics	3
		ENME 2785 - Intro Manufacturing	3
		ENME 2711 - Material & Process Lab	1
Total Hours	15	Total Hours	18
Third Year of Enrollment			
First Term		Second Term	
Course Prefix & Number	Credit Hours	Course Prefix & Number	Credit Hours
MATH 3221 - Meth Differential Equations or ENME 3020 - Engineering Analysis	3	ENME 3780 - Intro Comput Solid Mech or ENME 4728 - Intro Comput Fluid Dynamics	3
ENME 3720 - Fluid Mechanics	3	ENME 3771 - Heat Transfer	3
ENME 3776 - Intermed Eng Thermodynamics	3	PHIL 2244 - Engineering Ethics	1
ENME 3716 - Fluid Mechanics Lab	1	Biology Elective	3
ENME 3735 - Mechanism Design	3	Humanities Elective	3
ENME 3734 - Machine Elements	3	ECON 1203 - Microeconomics or ECON 1330 - Intro to financial literacy	3
Total Hours	16	Total Hours	16
Fourth Year of Enrollment			
First Term		Second Term	
Course Prefix & Number	Credit Hours	Course Prefix & Number	Credit Hours
ENEE 3518 - Electrical Engineering Lab	1	ENME 4777 - Design Thermal-Fluid Systems	3
ENEE 3501 - Basic Electrical Machinery	3	ENME Elective 3000+	3
ENME Elective 3000+	3	ENME 4733 - Machine Design	3
ENME 4754 - Mech Vibration	3	Arts Elective	3
ENGR 3090 - Senior Seminar	1		
Literature Elective	3		
ENME 3711 - Thermal Sciences Lab	1		
Total Hours	15	Total Hours	12
Total Degree Hours			127

¹ UNIV 1001/ENGR1000 is required for all first-time full-time students; it does not carry credit toward the bachelor of science in mechanical engineering degree, which requires 126 credit hours.