

B.S. Engineering 2/19/14

Semester 1 Courses	Hrs.	Semester 2 Courses	Hrs.
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
ENGR 1023 Intro to Engineering	3	PHYS 2203/2201 University Physics I/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2	ENGR 1021 Intro to Engineering Lab	1
Total Semester Hours		Total Semester Hours	
	17		17
Semester 3 Courses	Hrs.	Semester 4 Courses	Hrs.
ENGR 1212 Graphics	2	CSCI 2103 Computer Science I	3
PHYS 2213/2211 University Physics II/Lab	4	MATH 3043 Differential Equations	3
ENGR 2143 Statics	3	ENGR 2063 Dynamics	3
ENGR 3053 Properties of Materials	3	BIOL 1103/1101 Introduction to Biology	4
MATH 2563 Calculus III	3	ENGR 2023 Fundamentals of Manufacturing Processes	3
Total Semester Hours		Total Semester Hours	
	15		16
Semester 5 Courses	Hrs.	Semester 6 Courses	Hrs.
ENGL 2213 World Literature I or ENGL 2223 World Literature II	3	Engineering Elective I	3
ENGR 3013 Thermodynamics	3	HIST 1003 World History I or HIST 1013 World History II	3
ENGR 3043 Mechanics of Materials	3	ENGR 3102 Engineering Lab 1	2
ENGR 3003 Fluid Mechanics	3	ENGR 4003 Design of Engineering Experiments I	3
ENGR 2033 Electrical Circuits I	3	ENGR 4013 Engineering Design I	3
Total Semester Hours		Total Semester Hours	
	15		**14
Semester 7 Courses	Hrs.	Semester 8 Courses	Hrs.
ITEC 3073 Engineering Economic Analysis	3	ENGR 4703 Internship	3
Humanities choice 1	3	Social Science choice	3
ENGR 3023 Heat Transfer	3	ENGR 4023 Engineering Design II	3
ENGR 3112 Engineering Lab 2	2	*Engineering Elective II (Upper Level)	3
HIST 2013 U.S. History I or HIST 2023 U.S. History II or PSCI 2003 American Government: National	3	Humanities Choice 2	3
Total Semester Hours		Total Semester Hours	
	**14		15

***3 hrs of the 6 hrs of Engineering Electives must be upper level to meet graduation requirement of 40 upper division hours and 3hrs must be a 3000 or above statistics course**

****may affect scholarship requirements (15hr rule)**

Major in Engineering BS; (Frosh Seminar 2hr; Gen Ed 24hr; Sci/Math 39hr; Engr 52hr; Engr Elec 6hr)