

B.S. GENERAL ENGINEERING - (Sample Schedule)

FIRST YEAR - Fall Semester	Units	Prerequisite(s)	FIRST YEAR - Spring Semester	Units	Prerequisite(s)
Engineering & the Liberal Arts EN 005 & 005L	3		Statics & Engineering Software EN 050	3	Calc I, Physics I
General Physics I (Common Inquiries #2) PHY 021	4		General Physics II PHY 023	4	Calc I
General Physics I Lab (W.I.) PHY 022	1	coreq Physics I	General Physics II Lab PHY 024	1	coreq Physics II
Calculus I-MA 009 (Common Inquiries # 4; also QAR)	4		Calculus II MA 010	4	Calc I
G.E. (Intro to New Testament) RS 010	4		G.E. (Intro to Old Testament) RS 001	4	
P.E. (Fit for Life) PEA 032	1		P.E. [*]	1	
Units this semester	17		Units this semester	17	

SOPHOMORE YEAR - Fall Semester	Units		SOPHOMORE YEAR - Spring Semester		
General Chemistry + Lab CHM 005	4		Dynamics EN 055	4	Statics, Calc II
Multivariable Calculus MA 019	4	Calc II	Circuits & Electronics EN 142	4	Physics II & Calc II
G.E. (Christian Doctrine) RS 020	4		Electronics Lab EN 143	1	coreq Circuits
G.E. (Writing for the Liberal Arts) [*]	4		Linear Algebra w/ Differential Equ. MA 040	4	Calc II
Mechanics of Materials EN 040	3	Statics	G.E. (World History) HIS 010	4	
Units this semester	19		Units this semester	17	

ENGINEERING MAYTERM	Units	
Materials Engineering EN 030	3	Mechanics of Materials
Manufacturing Processes EN 150	3	Statics
Units this semester	6	

JUNIOR YEAR - Fall Semester	Units		JUNIOR YEAR - Spring Semester	Units	
Thermodynamics EN 120	4	Physics II, Dynamics	Fluid Mechanics EN 110	3	Multivaible Calc, Thermo
Machine Design EN 160	3	Mechanics of Materials	Junior Design: interdisciplinary (Service-Learning) EN 080	3	EN 005 or instructor approval & Junior status
Instrumentation & Measurement EN 140	3	Circuits+Lab	G.E. (Common Inquiries #1 & #5) [*]	4	
Technical Elective #1	3	Based on course	G.E. (Common Inquiries #8) [*]	4	
G.E. (Philosophical Perspectives) PHI 060	4		P.E. [*]	1	
Units this semester	17		Units this semester	15	

Summer - internship 1 to 3 units	0 to 3	Junior status
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SENIOR YEAR - Fall Semester	Units		SENIOR YEAR - Spring Semester	Units	
G.E. (Foreign Language) [*]	4		Senior Design Capstone II EN 181	3	Sr Design I
Control Systems EN 100	3	Lin. Alg. w/ Diff EQ., Dynamics	Technical Elective #2	3	Based on course
G.E. (Common Inquiries #3) [*]	4		G.E. (Common Inquiries #6 & #7) [*]	4	
Senior Design Capstone I EN 180	3	Senior status	P.E. [*]	1	
Units this semester	14		Engineering Seminar: Faith, Technology, & Christian Responsibility EN 196	1	Senior status
			Preparation for FE exam	0	
			Units this semester	12	

Green --> Core Science / Math courses

Black --> G.E. & P.E. courses

Red --> Engineering courses

G.E. and P.E. classes may be taken in a different order

An internship may be able to count for Technical Elective credit

Upper level Science or Math courses (beyond those required) may be able to count as Technical Electives