

B.S. GENERAL ENGINEERING - (Sample Schedule)					
FIRST YEAR - Fall Semester		Units	Prerequisite(s)	FIRST YEAR - Spring Semester	
Engineering & the Liberal Arts EN 005 & 005L	3			Statics & Engineering Software EN 050	3
General Physics I (Common Inquiries #2) PHY 021	4			General Physics II PHY 023	4
General Physics I Lab (W.I.) PHY 022	1	coreq Physics I		General Physics II Lab PHY 024	1
Calculus I-MA 009 (Common Inquiries # 4; also QAR)	4			Calculus II MA 010	4
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
Multivariable Calculus MA 019	4	Calc II		Circuits & Electronics EN 142	4
G.E. (Christian Doctrine) RS 020	4			Electronics Lab EN 143	1
G.E. (Writing for the Liberal Arts) [*]	4			Linear Algebra w/ Differential Equ. MA 040	4
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	
Thermodynamics EN 120	4	Physics II, Dynamics		Fluid Mechanics EN 110	3
Machine Design EN 160	3	Mechanics of Materials		Junior Design: interdisciplinary (Service-Learning) EN 080	3
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				Units this semester	15
Summer - internship 1 to 3 units	0 to 3	Junior status			
SENIOR YEAR - Fall Semester		Units		SENIOR YEAR - Spring Semester	
G.E. (Foreign Language) [*]	4			Senior Design Capstone II EN 181	3
Control Systems EN 100	3	Lin. Alg. w/ Diff EQ, , Dynamics		Technical Elective #2	3
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
				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					