

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)	4		General Physics II	4	Calc I
General Physics I Lab (W.I.)	1	coreq Phy I	General Physics II Lab	1	coreq Phy II
Calculus I (Common Inquiries # 4; also QAR)	4		Calculus II	4	Calc I
G.E. (Intro to New Testament)	4		G.E. (Intro to Old Testament)	4	
P.E. (Fit for Life)	1		P.E.	1	
Units this semester	17		Units this semester	17	

SOPHOMORE YEAR - Fall Semester	Units		SOPHOMORE YEAR - Spring Semester		
General Chemistry + Lab	4		Dynamics EN 055	4	Statics
Multivariable Calculus	4	Calc II	Circuits & Electronics EN 142	4	Phy II & Calc II
G.E. (Christian Doctrine)	4		Electronics Lab EN 143	1	coreq Circuits
G.E. (Writing for the Liberal Arts)	4		Linear Algebra & Differential Equ.	4	Calc II
Mechanics of Materials EN 040	3	Statics	G.E. (World History)	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	Dynamics	Fluid Mechanics EN 110	3	Thermo
Machine Design EN 160	3	Mechanics of Materials	Junior Design: interdisciplinary (Service-Learning)	3	EN 005 or instructor approval & Junior status
G.E. (Foreign Language)	4		G.E. (Common Inquiries #1 & #5)	4	
G.E. (Philosophical Reflections)	4		G.E. (Common Inquiries #8)	4	
Optional: Engineering internship EN 190	0 to 3	Junior status	P.E.	1	
			Optional: Engineering internship EN 190	0 to 3	Junior status
Units this semester	15		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	
Instrumentation & Measurement EN 140	3	Thermo-corequisite	Senior Design Capstone II EN 181	3	Sr Design I
Control Systems EN 100	3	Dynamics	Technical Elective #2	3	Based on course
Technical Elective #1	3	Based on course	G.E. (Common Inquiries #6 & #7)	4	
G.E. (Common Inquiries #3)	4		P.E.	1	Senior status
Senior Design Capstone I EN 180	3	Senior status	Engineering Seminar: Faith, Technology, and Chr	1	Senior status