

**B.S. OF ENGINEERING - Mechanical
Concentration (Sample Schedule)**

<i>FIRST YEAR - Fall Semester</i>	Units	Prerequisite(s)	<i>FIRST YEAR - Spring Semester</i>	Units	Prerequisite(s)
<i>Engineering & the Liberal Arts ME 995 & 005L</i>	3	NA	<i>Statics & Engineering Software ME 050</i>	3	Calc I, Physics I
General Physics I (Common Inquiries #2)	4	NA	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	MA 08 or precalc	Calculus II	4	MA 09 (Calc I)
G.E. (Intro to New Testament)	4	NA	G.E. (Intro to Old Testament)	4	NA
P.E. (Fit for Life)	1	NA	P.E.	1	NA
Units this semester	17		Units this semester	17	

<i>SOPHOMORE YEAR - Fall Semester</i>	Units		<i>SOPHOMORE YEAR - Spring Semester</i>		
General Chemistry + Lab	4	NA	<i>Dynamics ME 055</i>	4	Statics
Multivariable Calculus	4	Calc II	Circuits & Electronics	4	Phy II & Calc II
G.E. (Christian Doctrine)	4	NA	Electronics Lab	1	coreq Circuits
G.E. (Writing for the Liberal Arts)	4	NA	Linear Algebra & Differential Equ.	4	Calc II
<i>Mechanics of Materials ME 040</i>	3	Statics	G.E. (World History)	4	NA
Units this semester	19		Units this semester	17	

<i>ENGINEERING MAYTERM</i>	Units	
<i>Materials Engineering ME 030</i>	3	Mechanics of Materials
<i>Manufacturing Processes ME 150</i>	3	Statics
Units this semester	6	

<i>JUNIOR YEAR - Fall Semester</i>	Units		<i>JUNIOR YEAR - Spring Semester</i>	Units	
<i>Thermodynamics ME 120</i>	4	Dynamics	<i>Fluid Mechanics ME 110</i>	3	Thermo
<i>Machine Design ME 160</i>	3	Mechanics of Materials	<i>Junior Design: interdisciplinary (Service-Learning) ME 080</i>	3	Junior status
G.E. (Foreign Language)	4	NA	G.E. (Common Inquiries #1 & #5)	4	NA
G.E. (Philosophical Reflections)	4	NA	G.E. (Common Inquiries #8)	4	NA
<i>Optional: Engineering internship ME 190</i>	0 to 3	Junior status	P.E.	1	NA
Units this semester	15		<i>Optional: Engineering internship ME 190</i>	0 to 3	Junior status
			Units this semester	15	

Summer - internship 1 to 3 units	0 to 3	Junior status
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<i>SENIOR YEAR - Fall Semester</i>	Units		<i>SENIOR YEAR - Spring Semester</i>	Units	
<i>Instrumentation & Measurement ME 140</i>	3	Thermo-corequisite	<i>Senior Design Capstone II ME 181</i>	3	Sr Design I
<i>Control Systems ME 100</i>	3	Dynamics	<i>Engineering Elective #2</i>	3	Senior status
<i>Engineering Elective #1</i>	3	Senior status	G.E. (Common Inquiries #6 & #7)	4	NA
G.E. (Common Inquiries #3)	4		P.E.	1	Senior status
<i>Senior Design Capstone I ME 180</i>	3	Senior status	<i>Engineering Seminar: Faith, Technology, and Christian Responsibility - Writing Intensive ME 196</i>	1	Senior status
Units this semester	16		Preparation for FE exam	0	NA
			Units this semester	12	