

**Plan of Study for Bachelor of Science in Mechanical Engineering
and Bachelor of Arts in General Business Management**

	Fall	Spring	Summer/J-Term
Year 1	ENGR 150 <i>Intro to Engineering I</i>	PHED 100 <i>Health and Fitness (J-term)</i>	<i>History Requirement (111,112,113,114)</i>
	MATH 113 <i>Calculus I</i>	MATH 114 <i>Calculus II</i>	THEO 101 <i>Christian Theological Tradition</i>
	CHEM 111 <i>General Chemistry I</i>	PHYS 111 <i>Intro to Classical Physics I</i>	ENGR 151 <i>Intro to Engineering II</i>
	ENGL 111 <i>Critical Reading & Writing I (or ENGL 190)</i>	ENGL 112 <i>Critical Reading & Writing II</i>	
	PHIL 115 <i>Philosophy of the Human Person</i>	ENGR 171 <i>Engineering Graphics</i>	
Year 2	ENGR 220 <i>Engineering Mechanics I</i>	ENGR 221 <i>Engineering Mechanics II</i>	
	MATH 200 <i>Multi-Variable Calculus</i>	MATH 210 <i>Linear Algebra & Differential Equations</i>	PHIL 214 <i>Intro to Ethics</i>
	PHYS 112 <i>Introduction to Classical Physics II</i>	ENGR 381 <i>Thermodynamics</i>	BUS 200 <i>Community Service (0 cr)</i>
	QMCS 230 <i>Problem Solving in the Natural Sciences</i>	MATH 303/(QMCS 220) <i>Applied Probability & Statistics/Statistics I</i>	
Year 3	BUS 201 <i>Ethics and Practice: Foundations of Business</i>	COMM 105 <i>Comm. In the Workplace</i>	
	ENGR 382 <i>Heat Transfer and Fluid Flow</i>	ECON 252 <i>Principles of Micro-Economics</i>	
	ENGR 361 <i>Engineering Materials</i>	ENGR 371 <i>Manufacturing Processes I</i>	
	ENGR 320 <i>Machine Design</i>	ECON 251 <i>Principles of Macro-Economics</i>	(* May place out of one or more semesters by
Year 4	ACCT 205 <i>Introduction to Accounting</i>	MGMT 301 <i>Management of Organizations and Processes</i>	<i>demonstrating proficiency at 3rd level)</i>
	MKTG 300 <i>Principles of Marketing</i>	BLAW 301 or 303 <i>Business Law</i>	THEO 2XX
	ENGR 350 <i>Electrical Engineering Principles</i>	ENGR 410 <i>Control Systems, Automation & Stimulation</i>	
	<i>Foreign Language *</i>	<i>Foreign Language *</i>	
Year 5	FINC 321 <i>Financial Management</i>	MGMT 480 <i>Strategy Formulation</i>	
	ENGR 480 <i>Engineering Design Clinic</i>	ENGR 481 <i>Engineering Design Clinic II</i>	
	ENGR XXX <i>Elective II</i>	THEO 3XX	
	<i>Foreign Language *</i>	ENGR 470 <i>Mechatronics</i>	
	<i>Fine Arts Elective**</i>	<i>Social Sciences Elective**</i>	<i>(** May satisfy Human Diversity requirement)</i>