

**ENGINEERING**

<u>NAME</u>	<u>I.D.#</u>	<u>Expected Grad Date</u>	<u>B.S.E. Degree</u>
<b>General Education Requirements</b>		<b>Major: 60 hours</b>	
has needs		has needs	
<u>3</u>	THEO 101 Christian Formation	<u>3</u>	ENGN 101 Engineering Design I
<u>3</u>	BLIT 202 Christian Scriptures I	<u>3</u>	ENGN 102 Engineering Design II
<u>3</u>	BLIT 303 Christian Scriptures II	<u>3</u>	ENGN 171 Logic & Computational Eng.
<u>3</u>	THEO 404 Christian Faith	<u>3</u>	ENGN 250 Engineering Economics
<u>3-4</u>	ENGL 108 or 109 College Writing I	<u>3</u>	ENGN 261 Statics & Mechanics of Materials
<u>3</u>	COMM 105 Fundamentals of Communication	<u>3</u>	ENGN 262 Dynamics
<u>3</u>	FINA 101 Intro to Fine Arts	<u>3</u>	ENGN 270 Digital Systems
<u>3</u>	HIST 200 Western Civilization	<u>3</u>	ENGN 300 Electric Circuit Analysis
<u>3</u>	LIT 205 Studies in Literature	<u>3</u>	ENGN 335 Technical Comm. & Exper. Design
<u>3</u>	Select from: ECON 110, PSCI 101, PSCI 223, PSYC 101, SOCY 120	<u>4</u>	ENGN 351 Material Science
<u>3-8</u>	Elementary I, II Foreign Language or approved International Culture courses	<u>4</u>	ENGN 371 Automatic Controls
<u>3-4</u>	BIOL 201 General Biological Science OR approved biological Science lab course	<u>4</u>	ENGN 380 Thermodynamics
<u>3</u>	PHED 126 Nutrition or PHED 190 Wellness	<u>3</u>	ENGN 420 Fluid Mechanics
		<u>2</u>	ENGN 481 Senior Project Design I
		<u>2</u>	ENGN 482 Senior Project Design II
		and completion of one of the following:	
		<b>A. Concentration in Mechanical Engineering</b>	
		<u>4</u>	ENGN 353 Vibration Analysis
		<u>3</u>	ENGN 356 Computer Aided Engineering
		<u>4</u>	ENGN 385 Heat Transfer
		<u>3</u>	ENGN 412 Machine Synthesis
		<b>B: Concentration in Electrical Engineering</b>	
		<u>3</u>	ENGN 310 Circuits/Signal Processing
		<u>4</u>	ENGN 311 Communications Systems
		<u>3</u>	ENGN 340 Digital Electronics
		<u>4</u>	ENGN 346 Analog Electronics
<b>Supporting Courses:</b>			
<u>4</u>	CHEM 103 General Chemistry I		
<u>4</u>	MATH 147 Calculus I		
<u>4</u>	MATH 148 Calculus II		
<u>4</u>	MATH 241 Statistics		
<u>4</u>	MATH 261 Calculus III		
<u>3</u>	MATH 357 Differential Equations		
<u>5</u>	PHYS 201 General Physics I		
<u>5</u>	PHYS 202 General Physics II		