

## Typical Plan of Study for BSEE and AFROTC

	Fall	Spring	Summer/J-Term
<b>Year 1</b>	ENGR 150 <i>Intro to Engineering I</i>		
	MATH 113 <i>Calculus I</i>	MATH 114 <i>Calculus II</i>	
	THEO 101 <i>Christian Theological Tradition</i>	CISC 130 <i>Intro to Programming &amp; Problem Solving in Science</i>	
	ENGL 121 <i>Critical Thinking</i>	ENGL 20x	
	PHIL 115 <i>Philosophy of the Human Person</i>	PHYS 211 <i>Intro to Classical Physics I</i>	
	AERO 111	AERO 112	
<b>Year 2</b>	ENGR 230 <i>Digital Design</i>	ENGR 240 <i>Circuit Analysis</i>	
	MATH 200 <i>Multi-Variable Calculus</i>	MATH 210 <i>Linear Algebra &amp; Differential Equations</i>	
	PHYS 212 <i>Introduction to Classical Physics II</i>	PHYS 225*** – <i>Modern Physics I</i>	
	<i>Foreign Language *</i>	<i>Foreign Language *</i>	
	AERO 211	AERO 212	AERO 250
<b>Year 3</b>	ENGR 345*** <i>Electronics 1</i>	ENGR 346*** <i>Electronics 2</i>	
	ENGR 340*** <i>Signals and Systems</i>	ENGR 410 <i>Control Systems</i>	
	<i>Foreign Language *</i>	THEO 2XX/3XX	
	AERO 321	AERO 322	
<b>Year 4</b>	PHYS 341*** <i>Electricity and Magnetism</i>	ENGR 342*** <i>Electromagnetic Fields and Waves</i>	
	<b>ENGR XXX Elective ****</b>	<b>ENGR 331 Applications of Microprocessors***</b>	
	<b>ENGR XXX Elective ****</b>	THEO 3XX/4XX**	
	AERO 421	AERO 422	
<b>Year 5</b>	ENGR 480 <i>Engineering Design Clinic</i>	ENGR 481 <i>Engineering Design Clinic II</i>	
	<b>ENGR XXX Elective ****</b>	<b>ENGR XXX Elective ****</b>	(* <i>May place out of one or more semesters by</i>
		<i>History Requirement (111,112,113,114)</i>	<i>demonstrating proficiency at 3rd level)</i>
	PHIL 214 <i>Intro to Ethics</i>	<i>Fine Arts Elective**</i>	(** <i>May satisfy Human Diversity requirement)</i>

\* May place out of one or more semesters if proficient at 3<sup>rd</sup> Level. Must still meet the 84 credits outside the major requirement.

\*\* May Satisfy Human Diversity requirement

\*\*\* These courses are only offered in the semester indicated.

\*\*\*\* Four Technical Electives required from 1 or more tracks