Typical Plan of Study for BSEE and AFROTC

	Fall	Spring	Summer/J-Term
Year 1	ENGR 150 *Intro to Engineering I*		
	MATH 113 *Calculus I*	MATH 114 *Calculus II*	
	THEO 101 *Christian Theological Tradition*	CISC 130 Intro to Programming & Problem Solving in Science	
	ENGL 111 *Critical Reading & Writing I (or ENGL 190)*	ENGL 112 *Critical Reading & Writing II*	
	PHIL 115 Philosophy of the Human Person	PHYS 111 *Intro to Classical Physics I*	
	AERO 111	AERO 112	
Year 2	ENGR 230 Digital Design	ENGR 240 Circuit Analysis	
	MATH 200 *Multi-Variable Calculus*	MATH 210 *Linear Algebra & Differential Equations*	
	PHYS 112 *Introduction to Classical Physics II*	PHYS 225 – Modern Physics I	
	Foreign Language *	*Foreign Language* *	
	AERO 211	AERO 212	AERO 250
Year 3	ENGR 345 Electronics 1	ENGR 346 Electronics 2	
	ENGR 340 Signals and Systems	ENGR 410 Control Systems	
	Foreign Language *	THEO 23XX**	
	AERO 321	AERO 322	
Year 4	PHYS 341 Electricity and Magnetism	ENGR 342 Electromagnetic Fields and Waves	
	ENGR 330 Microprocessors 1	ENGR 331 Microprocessors 2	
	CHEM 111 ENGR Elective (replaces Math303)	THEO 32XX**	
	AERO 421	AERO 422	
Year 5	ENGR 480 *Engineering Design Clinic*	ENGR 481 *Engineering Design Clinic II*	
	ENGR 431 Design of Embedded Systems	ENGR 381 –– Thermodynamicsxxx Engr Elective.\	*(* May place out of one or more semesters by*
	ENGR Elective (replaces Math303)	*History Requirement* (111,112,113,114)	*demonstrating proficiency at 3rd level)*
	PHIL 214 *Intro to Ethics*	*Fine Arts Elective***	*(** May satisfy Human Diversity requirement)*