

Typical Plan of Study for BSME and AFROTC

	Fall	Spring	Summer/J-Term
Year 1	ENGR 150 <i>Intro to Engineering I</i>	PHED 100 <i>Health and Fitness</i>	ENGR 151 <i>Intro to Engineering II</i>
	MATH 113 <i>Calculus I</i>	MATH 114 <i>Calculus II</i>	
	CHEM 111	ENGR 171 <i>Graphics</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>	PHYS 111 <i>Intro to Classical Physics I</i>	
	AERO 111	AERO 112	
Year 2	ENGR 220 <i>Statics/Dynamics</i>	ENGR 221 <i>Deformable Mechanics</i>	
	MATH 200 <i>Multi-Variable Calculus</i>	MATH 210 <i>Linear Algebra & Differential Equations</i>	
	PHYS 112 <i>Introduction to Classical Physics II</i>	QMCS 230 <i>JAVA</i>	
	<i>Foreign Language *</i>	<i>Foreign Language *</i>	
	AERO 211	AERO 212	AERO 250
Year 3	ENGR 381 <i>Thermodynamics</i>	ENGR 382 <i>Heat Transfer/Fluid Flow</i>	
	ENGR 320 <i>Machine Design</i>	THEO 101	
	<i>Foreign Language *</i>	MATH 303 – <i>Statistics for the Applied Sciences</i>	
	AERO 321	AERO 322	
Year 4	ENGR 350 <i>Electronics</i>	ENGR 410 <i>Controls</i>	
	ENGR 361 <i>Materials</i>	ENGR 371 <i>Manufacturing</i>	
	THEO 2XX	<i>Social Analysis elective</i>	
	AERO 421	AERO 422	
Year 5	ENGR 480 <i>Engineering Design Clinic</i>	ENGR 481 <i>Engineering Design Clinic II</i>	
	ENGR Elective	ENGR Elective	(* <i>May place out of one or more semesters by</i>
	THEO 3XX**	<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>