



**AEROSPACE ENGINEERING ELECTIVES--SELECT ONE OF THE FOLLOWING**

Gas Dynamics			
3	<b>ME 4310</b> Heat Transfer	3	<b>AE 5200</b> Advanced Aerodynamics
	ME 2320 ≥ C		<b>AE 3710 ≥ B</b>
	ME 3560 or AE 3710 ≥ C		
			<b>ME 5300</b> Theoretical & Computational Fluids
			ME 3560 ≥ B
			<b>ME 5450</b> Computational Fluid Dynamics I
			ME 3560 ≥ B
			CS 2010

Structure and Materials			
3	<b>ME 4570</b> Experimental Solid Mechanics	3	<b>AE 5100</b> Foundations of Structural Mechanics
	ME or AE 2500 ≥ C		<b>AE 4630 ≥ B</b>
	ME 2570 ≥ C		
	ME 3350 ≥ C		
			<b>ME 5610</b> Finite Element Method
			ME 2570 ≥ B
			ME 3560 ≥ B
			ME 4310 ≥ B
			MATH 3740 ≥ B
			<b>ME 5690</b> Principles of Fatigue & Fracture
			ME 3650 ≥ B

Flight Mechanics		
3	<b>AE 4590</b> Flight Test Engineering & Design	3
	<b>AE 4600 ≥ C</b>	
		<b>AE 5400</b> Aerospace Vehicle Dynamics
		ME 2580 ≥ B
		ME 3600 ≥ B

Design	
3	<b>ME 3650</b> Machine Design
	EDMM 1420 ≥ C
	ME 2570 ≥ C
	ME 2580 ≥ C
	ME or AE 2500 ≥ C
	ME 2615 or AE 2610 ≥ C