

AEROSPACE ENGINEERING

(Effective 9/2011)
FRESHMAN YEAR

FALL		SPRING	
MATH 1610 Calculus I (SLO 4,5)	4 hrs	MATH 1620 Calculus II	4 hrs
Core History (SLO 8)	3 hrs	Core History or other Social Science*	3 hrs
CHEM 1030 Chemistry I	4 hrs	PHYS 1600 Engr Physics I (SLO 10)	4 hrs
ENGL 1100 Written Composition I (SLO 6)	3 hrs	ENGL 1120 Written Composition II (SLO 1)	3 hrs
COMP 1200 Intro to Computing	2 hrs	ENGR 1110 Intro to Engineering	2 hrs
ENGR 1100 Engineering Orientation	0 hrs		
(16 hrs)		(16 hrs)	

SOPHOMORE YEAR

FALL		SPRING	
MATH 2630 Calculus III	4 hrs	MATH 2650 Linear Diff Eqns	3 hrs
PHYS 1610 Engr Physics II	4 hrs	ENGR 2070 Mechanics of Materials	3 hrs
ENGR 2050 Statics	3 hrs	ENGR 2010 Thermodynamics	3 hrs
Core Literature (SLO 2)	3 hrs	AERO 2200 Aero Fundamentals	2 hrs
Core Humanity** (SLO 3)	3 hrs	Core Literature or other Humanities*	3 hrs
(17 hrs)		(14 hrs)	

SUMMER	
ELEC 3810 Fundamentals of EE	3 hrs
Core Fine Arts (SLO 11)	3 hrs
Core Social Science* (SLO 9)	3 hrs
(9 hrs)	

JUNIOR YEAR

FALL		SPRING	
AERO 3110 Aerodynamics I	3 hrs	AERO 3120 Aerodynamics II	3 hrs
AERO 3130 Aerodynamics Lab	2 hrs	AERO 3220 Aerospace Systems	3 hrs
ENGR 2350 Dynamics	3 hrs	AERO 3230 Flight Dynamics	4 hrs
MATH 2660 Topics in Linear Algebra	3 hrs	AERO 3310 Orbital Mechanics	3 hrs
MATH 5630 Numerical Analysis I	3 hrs	AERO 3610 Aerospace Structures I	2 hrs
(14 hrs)		(15 hrs)	

SENIOR YEAR

FALL		SPRING	
AERO 4140 Aerodynamics III	3 hrs	AERO 4630 Aero Struct Dynamics	4 hrs
AERO 4510 Aerospace Propulsion	4 hrs	AERO 4720 Aerospace Design II	3 hrs
AERO 4620 Aerospace Structures II	4 hrs	Aero/Astro Elective or ROTC	3 hrs
AERO 4710 Aerospace Design I (SLO 7)	3 hrs	AERO 4@@0 Program Assessment	0 hrs
Aero/Astro Elective or ROTC	3 hrs	Core Social Science (SLO 8)	3 hrs
(17 hrs)		(13 hrs)	

* Students must complete a Core Literature sequence or a Core History Sequence. Students must complete a Core course that addresses SLO 9.

** Students must complete a Core course that addresses SLO 3.