

Aerospace Engineering Curriculum

as of 9/9/05

AEROSPACE ENGINEERING

Class of 2010

	Name:	Last	First		Total Hrs:	
				197		
Freshman Year	51	hrs		Spr 06S		
<u>Aut 05A</u>		<u>Win 06W</u>				
BOK _____	3	ENGL102 Fr Engl II.....	3	MATH253 Calculus III.....	4	A _____
CHEM101 Chemistry I.....	4	MATH252 Calculus .II.....	4	MATH257 Calculus Lab.....	1	W _____
ENGL101 Fr Engl I.....	3	MATH256 Calculus Lab.....	1	PHYS202 Physics II.....	4	S _____
MATH251 Calculus I.....	5	PHYS201 Physics I.....	4	PHYS212 Physics Lab II.....	1	
AEEM100 Intro AsE Eng....	1	PHYS211 Physics Lab I.....	1	AEEM111 Intro Spacecraft Eng....	1	
	16	AEEM110 Intro Aircraft Eng...	1	ENFD101 Mechanics I.....	3	
		ENFD112 Fnd Progr.....	3	ENFD251 Graphic Fnd.....	3	
			17	36PD120 Prof Dev I.....	1	
					18	
Second Year	33	hrs		Win/Spr 07W/S		
<u>Sum/Aut 06U/A</u>						
MATH264 Calculus IV.....	4	BOK _____			3	U _____
MATH258 Calculus Lab IV.....	1	MATH273 Differential Eqns.....			5	A _____
PHYS203 Physics III.....	4	MATH276 Matrix Methods.....			3	W _____
PHYS213 Physics Lab III.....	1	AEEM212 Probabilistic Eng.....			3	S _____
AEEM211 Basic Integ Eng.....	3	ENFD383 Basic Fluid Mech.....			3	
ENFD102 Mechanics II.....	3	COOP120 Practice Eval.....			#	
	16				17	
Third Year	33	hrs		Win/Spr 08W/S		
<u>Sum/Aut 07U/A</u>						
AEEM313 Mod & Sim Phys Sys.....	3	AEEM329 Eng Measurements.....			3	U _____
AEEM342 Fnd Aerodyn.....	3	AEEM352 Vibration Analysis.....			3	A _____
AEEM360 Num Meth Engr.....	3	AEEM361 Integ Aircraft Eng.....			3	W _____
ENFD103 Mechanics III.....	3	AEEM382 Aerospace Veh. Perf.....			3	S _____
ENFD375 Basic Strength Matl.....	3	ENFD382 Basic Thermodyn.....			3	
ENFD376 NAPOM.....	3	COOP120 Practice Eval.....			#	
COOP120 Practice Eval.....	#				15	
	18					
Fourth Year	35	hrs		Win/Spr 09W/S		
<u>Sum/Aut 08U/A</u>						
BOK _____	3	BOK _____			3	U _____
AEEM403 Fund Control Th.....	3	AEEM438 Solid Mechs Lab.....			3	A _____
AEEM430 Matrix Struct Analysis.....	3	AEEM452 Flight Mechanics.....			3	W _____
AEEM445 Gas Dynamics.....	4	AEEM456 Appl. Aerodynamics.....			3	S _____
ENFD385 Basic Heat Transfer.....	3	AEEM462 Integ Spacecraft Eng.....			3	
COOP120 Practice Eval.....	#	AEEM474 Airbreathing Prop.....			3	
	16	20PD502 Prof. Develop. II.....			1	
		COOP120 Practice Eval.....			#	
					19	
Senior Year	45	hrs		Win 10W	Spr10S	
<u>Aut 09A</u>		<u>Win 10W</u>				
BOK _____	3	BOK _____	3	BOK _____	3	
*AEEM502 Aircraft Design I.....	4	+AEEM512 Aircraft Design II.....	4	BOK _____	3	
*AEEM515 Spacecraft Design I.....	4	+AEEM517 Spacecraft Design II...	4	AEEM597 Composite Str....	3	
*AEEM519 Engine Design I.....	4	+AEEM523 Engine Design II.....	4	Tech Opt _____	3	
AEEM574 Aerodyn Meas Lab.....	2	AEEM575 Prop & Fluids Lab.....	2		12	
AEEM576 Rocket Propulsion.....	3	Tech Opt _____	3			
Tech Opt _____	3	Tech Opt _____	3			
Tech Opt _____	3		15			
COOP120 Practice Eval.....	#					
	18					

*+ Seniors must take at least one full design series.