

Aerospace Engineering Curriculum

as of 5/12/04

AEROSPACE ENGINEERING

Class of 2009

		Name: Last		First		Total Hrs:	
						197	
Freshman Year	51	hrs					
<u>Aut 04A</u>		<u>Win 05W</u>		<u>Spr 05S</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		
		ENFD111 Fnd Progr.....	3	ENFD250 Graphic Fnd.....	3		
			17	36PD250 Prof Dev I.....	1		
					18		
Second Year	33	hrs					
<u>Sum/Aut 05U/A</u>		<u>Win/Spr 06W/S</u>					
MATH254 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					
<u>Sum/Aut 06U/A</u>		<u>Win/Spr 07W/S</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					
<u>Sum/Aut 07U/A</u>		<u>Win/Spr 08W/S</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					
<u>Aut 08A</u>		<u>Win 09W</u>		<u>Spr 09S</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.