

Aerospace Engineering Curriculum

as of 6/19/06

AEROSPACE ENGINEERING

Class of 2011

Name: Last First Total Hrs: 197

Freshman Year

51 hrs

Spr 07S

<u>Aut 06A</u>		<u>Win 07W</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 08W/S

<u>Sum/Aut 07U/A</u>					
MATH264 Calculus IV.....	5	BOK			3 U
PHYS203 Physics III.....	4	MATH273 Differential Eqns.....			5 A
PHYS213 Physics Lab III.....	1	MATH276 Matrix Methods.....			3 W
AEEM211 Basic Integ Eng.....	3	AEEM212 Probabilistic Eng.....			3 S
ENFD102 Mechanics II.....	3	ENFD383 Basic Fluid Mech.....			3
	16	COOP120 Practice Eval.....			#
					17

Third Year

33 hrs

Win/Spr 09W/S

<u>Sum/Aut 08U/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

32 hrs

Win/Spr 10W/S

<u>Sum/Aut 09U/A</u>					
BOK	3	AEEM438 Solid Mechs Lab.....			3 U
AEEM403 Fund Control Th.....	3	AEEM452 Flight Mechanics.....			3 A
AEEM430 Matrix Struct Analysis.....	3	AEEM456 Appl. Aerodynamics.....			3 W
AEEM445 Gas Dynamics.....	4	AEEM462 Integ Spacecraft Eng.....			3 S
ENFD385 Basic Heat Transfer.....	3	AEEM474 Airbreathing Prop.....			3
COOP120 Practice Eval.....	#	20PD502 Prof. Develop. II.....			1
	16	COOP120 Practice Eval.....			#
					16

Senior Year

48 hrs

Win 11W

Spr 11S

<u>Aut 10A</u>					
BOK	3	BOK	3	BOK	3 U
*AEEM502 Aircraft Design I.....	4	BOK	3	BOK	3 A
*AEEM515 Spacecraft Design I.....	4	+AEEM512 Aircraft Design II.....	4	AEEM597 Composite Str....	3 W
*AEEM519 Engine Design I.....	4	+AEEM517 Spacecraft Design II...	4	Tech Opt	3 S
AEEM574 Aerodyn Meas Lab.....	2	+AEEM523 Engine Design II.....	4	Tech Opt	3
AEEM576 Rocket Propulsion.....	3	AEEM575 Prop & Fluids Lab.....	2		15
Tech Opt	3	Tech Opt	3		
Tech Opt	3		15		
COOP120 Practice Eval.....	#				
	18				

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