

# Aerospace Engineering Curriculum

as of 5/12/04

## AEROSPACE ENGINEERING

Class of 2008

	Name:	Last	First		Total Hrs:	
				<b>197</b>		
<b>Freshman Year</b>	<b>51</b>	<b>hrs</b>		<b>Spr 04S</b>		
<u>Aut 03A</u>		<u>Win 04W</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	
<b>Second Year</b>	<b>33</b>	<b>hrs</b>		<b>Win/Spr 05W/S</b>		
<u>Sum/Aut 04U/A</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	
<b>Third Year</b>	<b>33</b>	<b>hrs</b>		<b>Win/Spr 06W/S</b>		
<u>Sum/Aut 05U/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					
<b>Fourth Year</b>	<b>35</b>	<b>hrs</b>		<b>Win/Spr 07W/S</b>		
<u>Sum/Aut 06U/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	
<b>Senior Year</b>	<b>45</b>	<b>hrs</b>		<b>Win 08W</b>	<b>Spr 08S</b>	
<u>Aut 07A</u>		<u>Win 08W</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.