

**AEROSPACE ENGINEERING COURSES
PROJECTED COURSE OFFERINGS**

SPECIFIC PROFESSIONAL SCHOOL REQUIREMENTS - 46 HOURS

1. A total of 43 credit hours as follows:

<i>Course No.</i>	<i>Course Title</i>	<i>Primary Prerequisites</i>	Stillwater			Tulsa	
			<i>Fa</i>	<i>Sp</i>	<i>Su</i>	<i>Fa</i>	<i>Sp</i>
MAE 3013	MAE ENGR Analysis	MATH 2233, ENSC 2123, ENSC 2613	X	X			X
MAE 3033	Engineering Design	ENGR 1332, ENSC 2123	X	X		X	
MAE 3113	Measurements and Instrumentation	ENSC 2613, ENSC 2123	X	X		X	
MAE 3253	Applied Aerodynamics & Performance	ENSC 3233, MATH 2233		X			
MAE 3293	Compressible Fluid Flow	MATH 2233, ENSC 3233, ENSC 2213	X			X	
MAE 3323	Mechanical Design I	ENSC 2113, ENSC 2143	X	X		X	
MAE 3403	Computer Methods in Analysis & Des	ENGR 1412	X	X		X	
MAE 3723	Dynamic Systems	MATH 2233, ENSC 2123, ENSC 2613	X	X			X
MAE 4223	Aerospace Engineering Laboratory	MAE 3113, MAE 3253, MAE 4283		X			
MAE 4243	Gas Power Systems	ENSC 3233	X			X	
MAE 4283	Aerospace Vehicle Stability & Control	ENSC 2123, MAE 3253, MAE 3723	X				
MAE 4374	Aerospace Vehicle Design	MAE 4283, MAE 4513, MAE 4243		X			
MAE 4513	Aerospace Structures I	MAE 3323, MAE 3403	X				
IEM 3503	Engineering Economic Analysis	MATH 2153	X	X	X	X	

**+2. Six credit hours of MAE electives must be selected from the following:
(Only one 3000-level course may be used as an elective)**

Thermal / Fluids

MAE 3233	Heat Transfer	ENSC 3233	X	X			X
MAE 3223	Thermodynamics II	ENSC 2213	X	X			X
MAE 4273	Experimental Fluid Dynamics	ENSC 3233, MAE 3113	X				X

Structures / Materials

MAE 3123	Manufacturing Processes	ENSC 2143, ENSC 3313	X				
MAE 4333	Mechanical Metallurgy	ENSC 3313		X			X
MAE 4363	Experimental Methods in Design	MAE 3113, MAE 3323		X			

Dynamics / Control

MAE 4053	Automatic Control Systems	MAE 3723 OR ECEN 3723	X			X	
MAE 4063	Mechanical Vibrations	MAE 3723		X			X
MAE 4733	Mechatronics Design	MAE 3113, MAE 3403	X				

Note: A total of 16 design credit hours is required for graduation.

Science Elective: ASTR 1024 (Spring), ASTR 1014 (Fall), GEOL 1114, BIOL 1114, CHEM 3053, PHYS 3213, PHYS 3313

X = Every Fall/Spring/Summer Term

Z = Odd Year Term

+Elective classes may fill up before you can enroll. Have a back up plan.