

Nanjing University of Aeronautics and Astronautics

Curriculum

Aerospace engineering																		
T y p e	No.	Name	C r e d i t	Hours				o m p u t e	E x t r a	T e s t	Hours per semester							
				T o t	C l s	E x p	D i s				f	s	f	s	f	s	f	s
											f=fall s=spring				w	w	w	w
				w	w	w	w				w	w	w	w				
c o m p u l s o r y	0510104W	Engineering Graphics	3.5	56	56				S	56								
	0810106W	Linear Algebra	3.0	48	48				S	48								
	0810109W	Algebra & Trigonometry	3.0	48	48				S	48								
	1690101W	An Introduction to Computer	2.0	32	32			24	C	32								
	1900101W	Orientation Program	1.5	24	24				C	24								
	1900105W	Basic Chinese Speaking	2.0	32	32				S	32								
	1900108W	Comprehensive Chinese(1)	3.0	48	48				S	48								
	1900109W	An Introduction to China	1.5	24	24				C	24								
	DXTY		3.5	144	144				S	✓	✓	✓	✓	✓	✓	✓		
	0110101W	An Introduction to Aeronautics	2.0	32	32				C	32								
	0810120W	Calculus for Engineering Sciences(1)	3.0	48	48				S	48								
	0820107W	Physics(1)	2.0	32	32				S	32								
	0820108W	Physics Experiments(1)	0.5	16		16			C	16								
	1690104W	Computer Programming	4.0	72	48	16	8	50	S	72								
	1900104W	Basic Chinese Listening	2.0	32	32				S	32								
	1900114W	Comprehensive Chinese(2)	3.0	48	48				S	48								
	1900120W	Chinese Culture	1.5	24	24				C	24								
	0810103W	Calculus for Engineering Sciences(3)	3.0	48	48				S		48							
	0820106W	Physics Experiments(2)	0.5	24		24			C		24							
	1900115W	Comprehensive Chinese(3)	3.0	48	48				S		48							
	1900116W	Academic English Writing	3.0	48	48				C		48							
	0810110W	Numerical Analysis	2.0	32	32			8	S			32						
	0130204W	Engineering Mechanics I (1)	3.5	58	54	4			S		58							
	0320205W	Electrical Engineering & Electronic Technique(1)	3.0	52	44	8			S		52							
	0810121W	Calculus for Engineering Sciences(2)	2.0	32	32				S		32							
	0820201W	Physics(2)	3.5	56	56				S		56							
	9110101W	Engineering Training	2.0	2w		40			C		2w							
	0130205W	Engineering Mechanics I (2)	3.5	58	54	4			S			58						
	0320203W	Electrical Engineering & Electronic Technique(2)	3.0	52	44	8			S			52						
	0610211W	Fundamentals of Materials Science and Engineering	3.0	48					S			48						
	0810209W	Mathematical Equations	1.5	24	24				S			24						
	0120202W	Aerodynamics	3.5	58	54	4			S				58					
0130206W	Structural Analysis	4.0	64	64				S				64						

c o m p u l s o r y	0310301W	Control System Engineering	3.0	51	45	6				S				51			
	0540301W	An Introduction to CAD/CAM	3.0	54	42	12				S				54			
	0110403W	Aircraft Structural Design	3.5	56	56					S					56		
	0210301W	An Introduction to Aeroengine	3.0	48	48					S				48			
	0510309W	Fundamentals of Machine Design	3.5	58	54	4				S				58			
	0510310W	Course Project:Fundamentals of Machine Design	2.0	2w						C				2w			
	0540402W	An Introduction to Aircraft Manufacturing Technology	2.0	32	32					C				32			
	0110301W	Flight Dynamics	3.0	48	48					S				48			
	0710302W	Aeronautical Maintenance Engineering	2.5	40	40					S				40			
	0710303W	Course Project:Modern Aeronautical Engineering	1.0	20						C				20			
	0710305W	Engine Maintenance & Product Practice	3.0	60						C				60			
	0110402W	Aircraft Preliminary Design	2.5	40	40					S					40		
	0140303W	Aircraft Environment Control	3.0	48	48			4		S					48		
	0110499W	Graduation Project	17.0	17w						C						17w	
	o p t i o n a l	0950101W	An Introduction to Business Administration	3.0	48	48					S	48					
		1900202W	Essential English Writing	2.5	40	40					S	40					
		1900117W	Reading in Chinese	2.0	32	32					S		32				
1900118W		Communication in Chinese	2.0	32	32					S		32					
8410002W		Information Retrieval & Utilization	0.5	16	8	8		8		C		16					
1900208W		Intermediate Chinese	2.0	32	32					S			32				
1230302W		Chinese-to-English Translation	2.0	32	32					C				32			
1900301W		Basic Writing in Chinese	2.0	32	32					S					32		
1610102W		Matlab Applications	1.5	24	24					S			24				
0120301W		Fundamentals of CATIA 3D Design	1.5	24	24			16		S					24		
0910310W		An Introduction to Marketing Management	2.5	40	40					C				40			
0610402W		Structure and Maintenance of Composite Materials	3.0	48	48					S					48		
0910201W		Engineering Economics	2.5	40	40					S		40					
0910303W		An Introduction to Industrial Engineering	2.5	40	40					C				40			
0930303W		Project Management	2.0	32	32					S				32			
1610302W		Software Engineering	3.0	48	48			24		S				48			
0710301W		Fault Diagnosis & Monitoring	3.5	56	56					S					56		
o p t i o n a l	0920305W	An Introduction to E-Business	2.0	32	32					C				32			
	0930320W	Human Resources Management	2.0	32	32					S				32			
	0130401W	Mechanical Vibration	3.0	48	48					S					48		
	0950305W	Business Communication	2.5	40	40					S					40		
	0950407W	An Introduction to WTO Rules	2.5	40	40					S					40		
	1050401W	Professional Ethics	1.0	16	16					C					16		

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