

The College of Engineering

Dept. of Aerospace Engineering



Grade	Semester	Completion	Title	Credit	Theory	Practice
1	1	Elected major	Business Management	3	3	0
		Elected major	Introduction to Naval Architectural Engineering	3	3	0
		Required liberal art course	University English	2	2	0
		Required liberal art course	Calculus	3	3	0
		Required liberal art course	General Physics 1	2	2	0
		Required liberal art course	General Physics Lab 1	1	0	2
	Required liberal art course	Programming Language and Practice 1	3	2	2	
	2	Elected major	Introduction to Aerospace Engineering	3	3	0
		Elected major	Industrial Dynamics	3	3	0
		Required liberal art course	English Speaking	2	0	3
		Required liberal art course	Linear Algebra	3	3	0
		Required liberal art course	General Physics 2	2	2	0
Required liberal art course		General Physics and Lab 2	1	0	2	
2	1	Elected major	Industrial Math 1	3	3	0
		Elected major	Thermodynamics	3	3	0
		Elected major	Dynamics	3	3	0
		Elected major	Material Dynamics 1	3	3	0
		Elected major	Aero Hydrodynamics	3	3	0
		Required major	Aero Design and CAD 1	3	2	2
	2	Elected major	Industrial Math 2	3	3	0
		Required major	Aero Dynamics	3	3	0
		Elected major	Flying Dynamics	3	3	0
		Elected major	Thermodynamics	3	3	0
		Elected major	Material Dynamics 2	3	3	0
		Elected major	Aero Design and CAD 2	3	2	2

Grade	Semester	Completion	Title	Credit	Theory	Practice
3	1	Required major	Aero Structural Dynamics 1	3	3	0
		Elected major	Internal Combustion Engine	3	3	0
		Elected major	Flight Dynamics	3	3	0
		Elected major	Vehicle System Design	3	3	0
		Elected major	Aero Applied Numerical Analysis and Practice	3	2	2
		Elected major	Aerospace Mechanical Manufacturing	3	3	0
		Elected major	Aerospace Test 1 and Mechanical Manufacturing and Control Test	2	0	4
		Elected major	Aero Propulsion Test	3	3	0
	2	Required major	Aero Combustion Engineering	3	3	0
		Required major	Aero Control Principle	3	3	0
		Elected major	Vehicle Gas Turbin	3	3	0
		Elected major	Aero Structural Dynamics 2	3	3	0
		Elected major	Aerospace Lab 2 and Structure/Wind Tunnel and Propulsion Lab	3	0	6
		Elected major	Aero Vibration Theory	3	3	0
		Elected major	Compressive Hydrodynamics	3	3	0
Elected major		Aerospace Heat Transfer	3	3	0	
4	1	Elected major	Rocket Engineering	3	3	0
		Elected major	Flight Control	3	3	0
		Elected major	Computer Aero Dynamics	3	3	0
		Elected major	Aero Conceptual Design	3	3	0
		Elected major	Aerospace Composite Material Structural Dynamics	3	3	0
		Elected major	Numerical Structural Analysis	3	3	0
		Elected major	Industry and University Research Paper 1	3	1	4
	2	Elected major	Helicopter Engineering	3	3	0
		Elected major	Aerospace Material Science	3	3	0
		Elected major	Aero Equipment System Engineering	3	3	0
		Elected major	Industry and University Research Paper 2	5	2	6