

Course number	Course name	Area
20000	Undergraduate Sophomore Seminar	
20300	Aeromechanics I	
20301	Aeromechanics I - Honors	
20400	Aeromechanics II	
20401	Aeromechanics II Laboratory	
25100	Introduction to Aerospace Design	
25100H	Introduction to Aerospace Design - Honors	
30000	Undergraduate Junior Seminar	
30100	Signal Analysis for Aerospace Engineering	
33300	Fluid Mechanics	
33301	Fluid Mechanics Laboratory	
33400	Aerodynamics	
33401	Aerodynamics Laboratory	
34000	Dynamics and Vibrations	
35103	Aerospase Systems Design	Design
35200	Structural Analysis I	
35201	Structural Analysis I Laboratory	
36400	Control Systems Analysis	
36401	Control Systems Laboratory	
40000	Undergraduate Senior Seminar	
41200	Introduction to Computational Fluid Dynamics	Aerodynamics Propulsion
41600	Viscous Flows	Aerodynamics
41800	Zero-Gravity Flight Experiment	Design Aerodynamics
42100	Flight Dynamics and Control	
43800	Air-Breathing Propulsion	Propulsion
43900	Rocket Propulsion	Propulsion
44000	Spacecraft Attitude Dynamics	
45000	Spacecraft Design	
45100A	Aircraft Design	

45100B	Aircraft Design - Section is DBF	
45100C	Aircraft Design - Section is DBF	
49000TSD	CubeSat Lab	Aerodynamics A & C
49000ACD	Aircraft Conceptual Design Requires Instructor Permission	Design
49000APF	Aero Prop Foundations Requires Department Permission to verify pre-reqs of ME 20000, AAE 33300 and AAE 20000.	
50700	Principles of Dynamics	ASA
51100	Introduction to Fluid Mechanics	Aerodynamics
51800	Low-Gravity Fluid Dynamics	Aerodynamics
53200	Orbit Mechanics	ASA
53300	Space Traffic Management	ASA
53400	Spacecraft Electric Propulsion	Propulsion
53800	Air Breathing Propulsion	Propulsion
54800	Mechanical Behavior of Materials	Structures
55000	Multidisciplinary Design Optimization	Design Structures
55300	Elasticity in Aerospace Engineering	Structures
55800	Finite Element Methods in Aerospace Structures	Structures
56200	Aerospace Eng Probability and Estimation	A&C ASA
56400	Systems Analysis and Synthesis	A & C
57100	Complex System Safety	Design
59000ADC	Attitude Determination & Control	ASA
59000IM	Impact Mechanics	Structures
59000SSD	Spacecraft Structure Design	Structures
59000CD	Design of Composite Materials and Structures	Structures
59000EPS	Space Flight Operations	ASA/Design
59000PET	Prob Estimation and Tracking	ASA
590SSD	Spacecraft Structure Design Seniors and Graduate Students only	Structures
590AIMLAS	AI/ML for Aerospace Structures Must have taken AAE 204 & 352.	Structures

Instructor
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