

Course number	Course name	Area	Instructor
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		Hassan TBD
20400	Aeromechanics II		Hassan Zhang 2 - TBD
20401	Aeromechanics II Laboratory		Hassan
25100	Introduction to Aerospace Design		TBD TBD
30000	Undergraduate Junior Seminar		Marais
30100	Signal Analysis for Aerospace Engineering		Sun
33300	Fluid Mechanics		Shih
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		Macheret Poggie
33401	Aerodynamics Laboratory		Bane
33800	Thermal Sciences		Wang
33900	Aerospace Propulsion		Anderson
34000	Dynamics and Vibrations		LeGrand Longuski
35200	Structural Analysis I		TBD
35201	Structural Analysis I Laboratory		Hassan
36400	Control Systems Analysis		TBD
36401	Control Systems Laboratory		Frazho
40000	Undergraduate Senior Seminar		Crossley
41800	Zero-Gravity Flight Experiment	Design Aerodynamics	Collicott
42100	Flight Dynamics and Control		Dai
43800	Air-Breathing Propulsion	Propulsion	Qiao
45000A	Spacecraft Design		TBD
45000B	Spacecraft Design - Requires Instructor Permission		Slabaugh
45100	Aircraft Design		Leifsson
49000 TRST	TracSat DBT - Requires Instructor Permission	Aerodynamics Propulsion A & C	Shashurin
49000 OA	Orbital Analysis	ASA	Howell

Course number	Course name	Area	Instructor
51200	Computational Aerodynamics	Aerodynamics	Shih
51400	Intermediate Aerodynamics	Aerodynamics	Bane
52000	Experimental Aerodynamics	Aerodynamics	Jewell
53500	Propulsion Design, Build, Test - Requires Instructor Permission	Propulsion	Slabaugh
53900	Advanced Rocket Propulsion	Propulsion	Pourpoint
54500	Dynamic Behavior of Materials	Structures	Chen
55200	Nondestructive Evaluation of Structures and Materials	Structures	Tallman
55500	Mechanics of Composite Materials	Structures	Yu
56000	Systems-of-Systems Modeling and Analysis	Design	DeLaurentis
56700	Introduction to Applied Stochastic Processes	A & C	Frazho
56800	Applied Optimal Control and Estimation	A & C	Hwang
59000 AHF	Aerospace Human Factors	Design	Caldwell
59000 ADC	Attitude Determination & Control	ASA	Frueh
59000 ACA	Appl Control in Astronautics	ASA	Oguri
59000 MAV	Modern Avionics	A & C	Li
59000 SMO	Surrogate Methods	Design	Leifsson
59000 SC	Satellite Constellations	ASA	Arnas
59000 CC	Computational Combustion and Propulsion	Propulsion	Wang
59000 DSMM	Data Science in Mechanics of Materials	Structures	Tomar
59000 MA	Manufacturing of Advanced Composites	Structures	Pipes
59000 MAAC	Multi-Agent Autonomy and Control	A & C	Mou
59000 SPA	Spacecraft Attitude Dynamics - AAE 44000 pre-reqs apply	AAE 440	Howell