

2026 Spring AAE Course Offerings

Course number	Course name	Area	Instructor
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		Sun
20400	Aeromechanics II		Agyei (2) Joshi (2) Sangid
20400H	Aeromechanics II - Honors		Paulson
20401	Aeromechanics II Laboratory		Zhang
25100	Introduction to Aerospace Design		Paulson (2) Burton (2)
25100H	Introduction to Aerospace Design - Honors		Chakraborty
30000	Undergraduate Junior Seminar		Marais
30100	Signal Analysis for Aerospace Engineering		Frazho Li
33300	Fluid Mechanics		TBD
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		Blaisdell TBD
33401	Aerodynamics Laboratory		Bane
33900	Aerospace Propulsion		Wang
34000	Dynamics and Vibrations		Cunningham Burton LeGrand
35103	Aerospace Systems Design	Design	Parsons
35200	Structural Analysis I		Joshi Agyei
35201	Structural Analysis I Laboratory		Zhang
36400	Control Systems Analysis		Byeon (2) Lu
36401	Control Systems Laboratory		Frazho
40000	Undergraduate Senior Seminar		Crossley
41800	Zero-Gravity Flight Experiment	Design Aerodynamics	Collicott (2)
42100	Flight Dynamics and Control		Corless Ran
43200	Orbital Analysis	ASA	Howell
43800	Air-Breathing Propulsion	Propulsion	Chakraborty (2)
44000	Spacecraft Attitude Dynamics		Howell
45000A	Spacecraft Design		Cunningham (2) Parsons
45100	Aircraft Design		Guimaraes

45100B	Aircraft Design - DBF <i>Requires Department Permission</i>		Guimaraes Leifsson
49000	CubeSat Lab	Aerodynamics A&C	Shashurin
49000APD	Aircraft Preliminary Design <i>Requires Instructor Permission</i>		Guimaraes
49000APF	Aero Prop Foundations <i>Requires Department Permission to verify pre-reqs of ME 20000, AAE 33400 (concurrently) and AAE 20000.</i>		Canino
51200	Computational Aerodynamics	Aerodynamics	Shih
51400	Intermediate Aerodynamics	Aerodynamics	Bane
51900	Hypersonic Aerothermodynamics	Aerodynamics	Schneider
52300	Introduction to Remote Sensing	ASA/Design	Garrison
53000	Computational Combustion	Propulsion	Wang
53500	Propulsion Design, Build, Test <i>Requires Instructor Permission</i>	Propulsion	Slabaugh
53900	Advanced Rocket Propulsion	Propulsion	Pourpoint
54600	Aerospace Structural Dynamics and Stability	Structures	Joshi
55200	Nondestructive Evaluation of Structures and Materials	Structures	Tallman
55500	Mechanics of Composite Materials	Structures	Pipes
56000	Systems-of-Systems Modeling and Analysis	Design	Guariniello
56700	Introduction to Applied Stochastic Processes	A & C	Frazho
56800	Applied Optimal Control and Estimation	A & C	Hwang
59000 ACA	Appl Control in Astronautics	ASA	Oguri
59000 MAV	Modern Vehicle Avionics	A & C	Li
59000AFM	Atmospheric Flight Mechanics	Aerodynamics	Alstrom
59000LGP	Lie Group Methods	A & C	Goppert
59000SMO	Surrogate Methods	Design	Leifsson