

Course number	Course name	Area	Instructor
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		Agyei Cunningham Paulson
20301	Aeromechanics I - Honors		Burton
20400	Aeromechanics II		Alstrom
20401	Aeromechanics II Laboratory		Zhang
25100	Introduction to Aerospace Design		Burton Chakraborty Parsons Paulson
25100H	Introduction to Aerospace Design - Honors		Chakraborty
30000	Undergraduate Junior Seminar		Marais
30100	Signal Analysis for Aerospace Engineering		Frazho Li
33300	Fluid Mechanics		Alexeenko Chynoweth Hanquist
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		Canino Houim
33401	Aerodynamics Laboratory		Bane
34000	Dynamics and Vibrations		Burton Frueh
35103	Aeropsace Systems Design	Design	Parsons
35200	Structural Analysis I		Agyei Joshi
35201	Structural Analysis I Laboratory		Zhang
36400	Control Systems Analysis		Byeon Tanaka
36401	Control Systems Laboratory		Frazho
40000	Undergraduate Senior Seminar		Crossley
41200	Introduction to Computational Fluid Dynamics	Aerodynamics Propulsion	Blaidell
41600	Viscous Flows	Aerodynamics	Shih
41800	Zero-Gravity Flight Experiment	Design Aerodynamics	Collicott
42100	Flight Dynamics and Control		Corless Ran
43800	Air-Breathing Propulsion	Propulsion	Chakraborty
43900	Rocket Propulsion	Propulsion	Pourpoint
44000	Spacecraft Attitude Dynamics		Capannalo
45000	Spacecraft Design		Cunningham Parsons

45100A	Aircraft Design		Leifsson
45100B	Aircraft Design - Section is DBF		Guimaraes
45100C	Aircraft Design - Section is DBF		Alstrom
45400	Deisng of Aerospace Structures		Joshi
49000TSD	CubeSat Lab	Aerodynamics A & C	Shashurin
49000ACD	Aircraft Conceptual Design <i>Requires Instructor Permission</i>	Design	Guimaraes
49000APF	Aero Prop Foundations <i>Requires Department Permission to verify pre-reqs of ME 20000, AAE 33300 and AAE 20000.</i>		Canino Maeda
50700	Principles of Dynamics	ASA	Oguri
51100	Introduction to Fluid Mechanics	Aerodynamics	Poggie
51800	Low-Gravity Fluid Dynamics	Aerodynamics	Collicott
53200	Orbit Mechanics	ASA	Howell
53300	Space Traffic Management	ASA	Frueh
53400	Spacecraft Electric Propulsion	Propulsion	Shashurin
53800	Air Breathing Propulsion	Propulsion	Slabaugh
54100	Attitude Determination & Control	ASA	DeMars
54800	Mechanical Behavior of Materials	Structures	Sangid
55000	Multidisciplinary Deisgn Optimization	Design Structures	Crossley
55300	Elasticity in Aerospace Engineering	Structures	Tallman
55800	Finite Element Methods in Aerospace Structures B- or better in 352	Structures	Tomar
56200	Aerospace Eng Probability and Estimation	A&C ASA	Frazho
56400	Systems Analysis and Synthesis	A & C	Corless
57100	Complex System Safety	Design	Marais
59000IM	Impact Mechanics	Structures	Guo
59000CD	Design of Composite Materials and Structures	Structures	Zhang
59000EPS	Space Flight Operations	ASA/Design	Cunningham
59000PET	Prob Estimation and Tracking <i>AAE 34000 B or better. STAT 511 or Stat 316 are desired but not required.</i>	ASA	LeGrand
590SSD	Spacecraft Structure Design Seniors and Graduate Students only	Structures	Kwok
590AIMLAS	AI/ML for Aerospace Structures Must have taken AAE 204 & 352.	Structures	Yu