

AEROSPACE ENGINEERING



Catalog Term: Fall 2017

FRESHMAN	
FALL	SPRING
ENGL 101 (3) College English I	ENGL 102 (3) College English II P: ENGL 101 with grade C or better
IME 222 (2) Engineering Graphics P: MATH 123	AE 227 (3) Engr. Digital Computations (Fall/Spring) C: MATH 243
IME 222 L (1) Engineering Graphics Lab P: MATH 123	MATH 243 (5) Calculus II P: Math 242 with C or better
MATH 242 (5) Calculus I P: See Catalog	PHYS 313 (4) Physics for Scientist I C: MATH 243
CHEM 211 (5) General Chemistry I P: See Catalog	PHYS 315 (1) University Physics Lab I C: PHYS 313

SOPHOMORE	
FALL	SPRING
GE Core (3) Intro Fine Arts	GE Core (3) Intro Humanities
COMM 111 (3) Public Speaking	AE 373 (3) Dynamics (Fall/Spring/Summer) P: MATH 344, AE 223 with C or better
ME 250 (3) Materials Engineering P: MATH 242 and CHEM 211 with C or better	AE 333 (3) Mech. of Materials (Fall/Spring/Summer) P: AE 223 with C or better C: MATH 344
MATH 344 (3) Calculus III Math 243 with C or better	MATH 555 (3) Differential Equations P: MATH 243 with C or better
PHYS 314 (4) Physics for Scientist II P: MATH 243 with C or better, PHYS 313	ME 398 (3) Thermodynamics I P: MATH 243 and PHYS 313 with C or better
AE 223 (3) Statics (Fall/Spring/Summer) P: PHYS 313 C: MATH 243	AE 324 (3) Fund. of Atmospheric Flight (Fall/Spring) P: AE 223 with C or better C: AE 227

JUNIOR	
FALL	SPRING
GE Core (3) Intro Social & Behavior Science (Choose any discipline)	AE 502 (3) Aero Propulsion I (Spring Only) P: AE 227, 373, ME 398C: AE 424
PHIL 385 (3) Engineering Ethics P: Junior or Senior Standing	AE 512 (3) Exper. Methods in Aerospace (Fall/Spring) P: AE 333, 424 C: AE 524
IME 255 (3) Engineering Economy C: MATH 242	AE 514 (3) Flight Dynamics & Control (Spring only) P: AE 415 C: AE 424
AE 415 (3) Intro to Space Design (Fall Only) P: AE 373 with C or better C: MATH 555	AE 524 (3) Aerodynamics II (Fall/Spring) P: AE 424
AE 424 (3) Aerodynamics I (Fall/Spring) P: AE 324 with C or better, AE 373, MATH 555	AE 625 (3) Flight Structures II (Spring only) P: AE 525
AE 525 (3) Flight Structures I (Fall Only) P: AE 333 with C or Better C: MATH 555	

SENIOR	
FALL	SPRING
GE Core (3) Intro Social & Behavioral Science (From a different discipline than previous course)	GE Core (3) Advanced Further Studies in Humanities OR Social & Behavioral Sciences (Not in PHIL)
EE 282 (4) Circuits 1 C: Math 243	Science Elective (3)
AE 607 (3) Flight Control Systems (Fall only) P: AE 514	Technical Elective (3) (Fall/Spring)
Technical Elective (3) (Fall/Spring)	Technical Elective (3) (Fall/Spring)
AE 528 (4) Aerospace Design I (Fall Only) P: AE 502, 514, 525	AE 628 (4) Aerospace Design II (Spring only) P: AE 528

Notes: Students must also fulfill three Engineer 2020 requirements before graduation. Prerequisites for all ME courses must be passed with a grade that generates 2.0 or more credit points per credit hour. Humanities/Fine Arts/Social & Behavioral Science/Natural Science courses must be from an approved list. A C-minus does not meet "C or better" requirements.

P: Prerequisite C: Corequisite

Last Updated: 06/2017