

Updated 3/22/2016

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Aerospace Fundamentals AERO 121 (2)	General Chemistry for Physical Science & Engineering I CHEM 124 (4) * [B3/B4]	Calculus III MATH 143 (4) (MATH 142 w/min C-) [Add'l Area B]	Introduction to Aerospace Design AERO 215 (2) (AERO 121, MATH 143, IME 144, Recom: CSC 111)	Materials Engineering MATE 210 (3) (CHEM 111, or 124, or 127, Recom: concur MATE 215)	Aerothermodynamics I AERO 301 (4) (ME 211; Coreq: AERO 300)	Aerothermodynamics II AERO 302 (4) (AERO 301)	Aerothermodynamics III AERO 303 (4) (AERO 302)	Spacecraft Attitude Dynamics & Control AERO 421 (4) (AERO 320, 351)	Spacecraft Propulsion Systems AERO 402 (5) (AERO 303, 353, CHEM 124)	Astronautics Approved Electives (4)¹	Astronautics Approved Electives (4)¹
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4) (MATH 141 w/min C-) [B1]	General Physics II PHYS 132 (4) (PHYS 131, HNRS 131, or PHYS 141)	Engineering Statics ME 211 (3) (MATH 241+, PHYS 131 or 141)	Engineering Dynamics ME 212 (3) (MATH 241; ME 211 or ARCE 211)	Aerospace Engineering Analysis AERO 300 (5) (AERO 215, MATH 244, ME 211, PHYS 133)	Introduction to Orbital Mechanics AERO 351 (4) (AERO 300, ME 212)	Experimental Aerothermodynamics AERO 304 (2) (ENGL 149, AERO 301)	Introduction to Space Systems AERO 446 (4) (ME 212, EE 201 & 251, AERO 353)	Spacecraft Design I AERO 447 (4) *	Spacecraft Design II AERO 448 (3) (AERO 447)	Spacecraft Design III AERO 449 (3) (AERO 448)
GE (4) **	General Physics PHYS 131 (4)* or 141 (4)* [Add'l Area B]	GE (4) **	Calculus IV MATH 241 (4) (MATH 143)	Linear Analysis I MATH 244 (4) (MATH 143)	Statistical Methods for Engineers STAT 312 (4) (MATH 142) [B6]	Electric Circuit Theory & Lab EE 201 (3) AND EE 251 (1) (MATH 244, PHYS 133)	Aerospace Structural Analysis I AERO 331 (4) (AERO 300, CE 207, ME 212)	Aerospace Structural Analysis II AERO 431 (4) (AERO 331)	Experimental Stress Analysis AERO 433 (1) (AERO 331, 431)		GE (4) **
Introduction to Design & Manufacturing IME 144 (4) (Recom: IME 140, ME 129)			General Physics III PHYS 133 (4) (PHYS 131, or PHYS 141, or HNRS 131; MATH 142, Recom: MATH 241)	Mechanics of Materials I CE 204 (3) (ME 211)	Mechanics of Materials II CE 207 (2) (CE 204)	Fundamentals of Dynamics and Control AERO 320 (4) (AERO 300, ME 212)	Spacecraft Environment AERO 353 (4) (AERO 300 & 301)	Space Environment Laboratory AERO 354 (2) (ENGL 149, AERO 353)	Aerospace Engineering Professional Preparation AERO 460 (1) (Sr Standing)	Aerospace Systems Senior Laboratory AERO 465 (1) (AERO 303, 304, 320, 431, Sr Standing)	GE (4) **
Expository Writing ENGL 133 or 134 (4)** [A1] Can be taken anytime during Freshman Year			Take concurrently: BIO 213 (2)* AND BMED/BRAE 213 (2)* [B2]	GE (4) **				GE (4) **	GE (4) **	GE (4) **	
Oral Communication COMS 101 or 102 (4)** [A2] Can be taken anytime during Freshman Year			Technical Writing for Engineers ENGL 149 (4) [A3] (Completion of GE A1 w/min C-, Recom: completion of GE A2) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years			Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)					
18	16	16	17	17	15	16	14	18	15	12	15
										TOTAL:	189

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

** One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, D4. C4 should be taken only after Junior standing is reached (90 units).

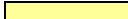


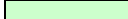
Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, or D4.

† Course can be taken previously or concurrently.

¹ Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of postbaccalaureate studies and/or goals. Only 4 units of 300-level coursework is allowed as an approved elective.

Legend:

Course Title Course # (Units) (Prerequisite)		Major (47)
	Support (61)	
	Concentration (41)	
	General Ed. (40)	
[GE Area]		