		Aerospace Engineering Catalog 2023		_			
Fall 16 hours	Math 132 or 141 or 147 (3-4) (QR) FA,SP,SU Math 132 Prereq- Math 131 Math 141 Prereq- ACT Math 28 or SAT Math 660	EF 142 or 151 or 157 (4) (EI) FA, SP EF 142 Prerey- EF 141 with C- or better and Math 131 EF 142 Corey- Math 132 EF 151 Corey- 141/147 or higher and EF 105 or COSC 101 or CS 102	EF 105 (1) FA, SP Coreq. EF 151 or 157	Chem 122(3) and 123(1) or 128 (4) (NS) FA, SP, SU Prereq-Math 119; recommended background in Math 131	English 101 or 131 (3) FA, SP, SU 101 Standard; 131 English as Second Language		
Spring 16 hours	Math 142 or 148 (4) (QR) FA, SP, SU Prereq- Math 132 or 141 or 147	EF 152 or 158 (4) (NS and El) FA, SP, SU Prereq-EF 142/151/157 with C or higher Coreq-Math 142 or 148	ME 202 (2) FA, SP, SU Coreq- EF 152 or 158 and Math 142 or 148	Vol Core (3) FA, SP, SU Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS	English 102 or 112 or 288 or 132 (3) FA, SP, SU 102 Prereq 101; 112 Prereq is AP 101 and Test Scores; 288 Prereq University Honors only; 132 Prereq 131 ESL		
all 9 hours	Math 241 or 247 (4) FA, SP, SU Prereq-Math 142 or 148	AE 201 (1) FA Restricted to engineering majors.	AE 210 (2) FA, SP AE or ME majors. Sophomore or Junior or Senior	ME 231 (3) FA, SP, SU Prereq- EF 152 or 158 AND ME 202 with C or better	Physics 231 (3) FA, SP, SU Prereq: Phys135 or EF 151 and 152 Coreq: Math 142 or 148	Vol Core (3) FA, SP, SU Arts and Humanities (AH)	Vol Core (3) FA, SP, SU Global Citizenship United States (GCUS)
pring 7 hours	Math 231 or 237 (3) FA, SP, SU Prereq- Math 142 or 148	EF 230 or 237 (2) FA, SP Prereq- EF 105 or CS 102 Coreq- EF 152/158	ME 321 (3) FA, SP, SU Prereq- ME 202 with C or better AND Math 142/148 with C or better	Vol Core (3) FA, SP, SU Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS	ECON 201 or 207 (4) FA, SP, SU Vol Core - Social Science (SS)	Math 200 (2) FA, SP Prereq- Math 142 or 148	
ill hours	ME 331 (3) FA, SP, SU Coreq- Math 241 or 247	AE 341 or 347 (3) FA, SP, SU Prerec, ME 231 with C or better and Math 241 or 247 with C or better	AE 370 or 377 (4) FA, SP Coreq- AE 341	ECE 301 (3) FA, SP Prereq-Math 231 or 237 with C or better	ME 391 or 397 (3) FA, SP, SU Prereq- Math 231 or 237; Math 241 or 247 and Math 200,251 and EF 230 ALL with grades of C or better	257	
pring 5 hours	AE 363 (3) SP Prereq- ME 321	ME 363 or 367 (3) FA, SP, SU Prareq- ME 231 and Math 231 with grades of C or better	AE 351 (3) SP Prereq- AE 341/347 and ME 331	ME 344 (3) FA, SP, SU Prereq-ME 331 and 391 or 397 and AE 341 or 347	AE 345 (3) (EI) FA, SP, SU Prereq: ME 321 Coreq: AE 341/347 or BME 341/347, and ME 363/367 or BM	E 363/367, and ECE 301]
ill ⊧18 hrs.	AE 422 (3) FA Prereq- AE 351 and 370 or 377	AE 425 (3) FA Prereq- AE 351	AE 424 (3) FA Prereq- AE 351 Coreq- ME 344	AE 450 (3) FA Prereq:- AE 351, AE 370/377, AE 363 Coreq:- AE 425, ME 344, AE/BME/ME majors	Deptmental Elective (3) Choose from approved courses	Vol Core (1 course) FA, SP, SU Oral Communication (OC)	
bring bihours	AE 449 (3) (WC) SP Prereq- AE 345, 351, and 425 English 102, 112, 132, or 298	AE 460 (3) (AOC) SP Prereq: AE 422, 450, AE, BME, ME majors only	Vol Core (3) FA, SP, SU Global Citizenship International (GCI)	Departmental Elective (3) Choose from approved courses	Departmental Elective (3) Choose from approved courses]	

Departmental Electives Choose from: Any 400 level AE course not otherwise required for the major, ME 315, 365, 366, 465, 465, 465, 466, 470, 472, 475 or 477, 476, 480. Other courses require prior approval by the department.

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Students also have opportunities for an Honors Concentration and/or a five year BS/MS program. See the Undergraduate Catalog for details and requirements.

Volunteer Core courses highlighted in light orange.