

AET Manufacturing Catalog 2025

Fall 14 hours	Math 131 (3) FA,SP,SU Appropriate math placement exam score or ACT Math 25 or higher or SAT Math 590 or higher	Engineering Fundamentals 141 (4) FA, SP Coreq- Math 131	Chem 122(3) and 123(1) or 128 (4) (NS) FA, SP, SU Prereq-Math 119; recommended background in Math 131 or ACT Math 25 or higher	English 101 or 131 (3) (WC) FA, SP, SU 101 Standard; 131 English for Non Native Speakers	
Spring 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 (4) (NS and EI) FA, SP Prereq- EF 141 with C- or better and Math 131 Coreq- Math 132	COSC 111 (3) (QR) FA, SP	English 102 or 132 (3) (WC) FA, SP, SU Engl.102 Prereq 101; Engl. 132 Prereq 131	AET 101 (3) SP
Fall 15 hours	AET 200 (3) (QR) FA Prereq- Math 132 or 141 or 147	AET 210 (3) FA AET 200 coreq	AET 220 (3) FA	AET 233 (3) FA Prereq- AET 200	MSE 201 or 207 (3) FA, SP, SU Prereq- Chem 122 and 123 or 128
Spring 17 hours	Stats 251 (3) Prereq- Math 142 or 148 or AET 200	Econ 201 (4) (SS) FA, SP, SU	Vol Core (3) FA, SP, SU Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS	AET 260 (3) SP Prereq- AET 200 and 233 Coreq- EF 142	MSE 390 (4) SP Prereq- MSE 201 or 207
Fall 15 hours	IE 340 (3) FA Prereq- IE 200 Recommended background completion of introductory course in probability and statistics.	Vol Core (3) FA, SP, SU Arts and Humanities (AH)	AET 310 (3) FA Prereq- AET 200	AET 321 (3) FA Prereq- AET 260	ME 366 (3) FA, SP Prereq- ME 321 with grade of C or higher.
Spring 15 hours	IE 300 (3) SP Prereq- IE 200 or Stats 251	Vol Core (3) FA, SP, SU Global Citizenship United States	AET 333 (3) SP Students may not receive credit for both EF 333 or EF 333N, and AET 333.	AET 323 (3) SP Prereq- AET 200	AET 362 (3) SP Prereq- AET 321
Fall 15 hours	ME 483 (3) FA Prereq- IE 200, CBE 301, ECE 313, Math 323, MSE 301, or Stats 251.	ME 450 (3) (OC) FA Prereq- ME 363 or 367, ME 366 Coreq- ME 466 or ME 475	AET 423 (3) FA Prereq- AET 362	IE 452 (3) FA, SP Registration restriction-Minimum student level Junior.	Vol Core (3) FA, SP, SU Global Citizenship International
Spring 15 hours	ME 484 (3) SP Prereq- IE 200, CBE 301, ECE 313, Math 323, MSE 301 or Stats 251.	ME 460 (3) (AOC) SP Prereq-ME 450	AET 432 (3) SP Prereq- AET 362	AET 442 (3) SP Prereq- AET 362	Vol Core (3) FA, SP, SU Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS

Volunteer Core courses highlighted in light orange.

Applied Manufacturing earns Reliability and Maintainability Minor with IE 300 and 340, ME 483 and 484, and IE 200 or Stats 251. Each course must have a grade of C or higher.

All AET courses require a grade of C or better.