

Industrial Engineering Catalog 2019

Fall 15 hours	Math 141 or 147 (4) FA, SP, SU Prereq- Math 130 or Math ACT 28 or Math SAT 630	Gen Ed (3) FA, SP, SU Social Science	EF 151 or 157 (4) FA, SP Coreq- Math 141 or 147 and EF 105	EF 105 (1) FA, SP Coreq- EF 151 or 157	English 101/118 or 198 or 131 (3) FA, SP, SU 101 Regular; 118 Honors; 198 Chancellor Honors Only; 131 English as Second Language	
Spring 18 hours	Math 142 or 148 (4) FA, SP, SU Prereq- Math 141 or 147	Gen Ed (3) FA, SP, SU Cultures and Civilizations	EF 152 or 158 (4) FA, SP, SU Prereq- EF 151 or 157 Coreq- Math 142 or 148	CS 102 (4) FA, SP Coreq- Math 141 or 147	English 102 or 290 or 298 or 132 (3) FA, SP, SU 102 Prereq 101 or 118; 290 Prereq AP 101 credit 298 Prereq Chancellor Honors only & 198; 132 Prereq 131 ESL	
Fall 18 hours	IE 250 (1) FA Industrial majors only Minimum level-sophomore	IE 200 (3) FA, SP Prereq- Math 142 or 148	IE 201 (3) FA, SP Prereq- Sophomore in Industrial	IE 202 (3) FA, SP Prereq- EF 152 or 157 Coreq-IE 200 or Stats 251	Math 241 or 247 (4) FA, SP, SU Prereq- Math 142 or 148	ECON 201 or 207 (4) FA, SP, SU Social Science
Spring 15 hours	Chem 120 or 128 (4) FA, SP, SU Prereq-Math 119; recommended background Math 130	Math 231 or 237 (3) FA, SP, SU Prereq- Math 142 or 148	Math 200 (2) FA, SP Cannot receive credit if previous C or better in Math 251 or 257	Physics 231 (3) FA, SP, SU Prereq- Phys 135 or EF 151 and 152 Coreq- Math 142 or 148	IE 405 (3) FA, SP, SU Prereq- Engineering or Biosystems major	
Fall 16 hours	IE 350 (WC) (1) FA Prereq-ENGL 102, 132, 290, or 298 Minimum level - Junior; IE majors	IE 301 (3) FA Prereq- Math 200 or 251 and Math 241/247	IE 304 (3) FA Minimum student level — junior	IE 340 (3) FA Prereq- IE 200	IE 401 or 407 (3) FA Prereq- IE 202 Coreq- IE 405	IE 402 (3) FA Prereq- IE 202
Spring 15 hours	Engineering Science Elective*** 3 hours	IE 300 (3) SP Prereq- IE 200 or Stats 251	IE 310 or 317 (3) SP Prereq- IE 200 or Stats 251	IE 406 or 408 (3) SP Prereq- IE 200 or Stats 251 Coreq- IE 310 or 317	IE 427 (3) SP Coreq- IE 406 or 408	
Fall 15 hours	IE 450 (1) FA Industrial majors only Minimum level- senior	IE 404 (2) FA, SP Coreq- IE 401, 405, and 427	Engineering Science Elective*** 3 hours	*Technical Elective (3) FA, SP Petition required in advance	**Industrial Elective (3) FA,SP Petition required in advance	Gen Ed (3) FA, SP, SU Arts and Humanities
Spring 17 hours	IE 422 (2) (OC and WC) FA, SP Prereq: IE 404; English 102 or 132 or English 290 or 298	*Technical Elective (3) FA, SP Petition required in advance	**Industrial Elective (3) FA, SP Petition required in advance	Gen Ed (3) FA, SP, SU Cultures and Civilizations	Gen Ed (3) FA, SP, SU Arts & Humanities	IE 421 or 428 (3) SP Minimum level- Junior Industrial majors only.

***Technical Electives chosen from** AE 341 or 347 ; BUAD 410 *; DSGN 430; ECE 255, ECE 302, ECE 463; ECON 311 *, ECON 312 *, ECON 313, ECON 322*, ECON 331, ECON 333, ECON 351*; ENT 350, ENG 415, ENT 420, ENT 425, ENT 451, ENT 460, ENT 492; FINC 300,FINC 425*, FINC 455*; IE 423 , IE 430, IE 451, IE 457, IE 483 , IE 484 ; INSC 310 , INSC 451 *, MARK 300 *; MGT 300; MSE 302 , MSE 340 or 347 , MSE 360 or 367 , MSE 390 or 397 , MSE 405 ; ME 321 , ME 363 or 367 , ME 365 , ME 366 ,ME 405 ; NE 342 or 347; RCS 411; 3 credit hours of EF 333.
Some courses may require a prerequisite or corequisite that is not part of the IE program.

****Industrial Electives chosen from** IE 423, IE 430, IE 451, IE 457, IE 483, IE 484, IE 493, IE 494, IE 495. The same course may not be used to count for both Technical Elective and Industrial Elective.

*****Engineering Science Electives** chosen from ECE 301; MSE 201 or 207; ME 202 AND (EF 130 or EF 230); ME 331; ME 231.

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