

## Industrial Engineering Catalog 2017

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

\***Technical Electives chosen from** AE 341 or 347 ; BUAD 361 \* , BUAD 410 \* ; BULW 301 ; COSC 102 , ECE 255 ; ECE 302; ECON 311 \* , ECON 312 \* , ECON 313, ECON 322\*, ECON 331, ECON 333, ECON 351\*, ECON 361; 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; 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; ME 202 AND EF 130; ME 331; MSE 201 or 207.

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

### UTRACK Milestones:

Term 1	Term 2	Term 3	Term 4	Term 5	Term 6 through 8
Math 130 or higher or one SS or one AH or one CC	Math 130 or higher	EF 151/157 or Physics 135/137	EF 152/158 or Physics 136/138	ME 202 or CS 102 or MSE 201 or CBE 201	No Milestones