

## Biosystems Engineering Catalog 2017 Pre- Professional Concentration

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>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	<b>English 101 or 118 (3) FA, SP, SU</b>	<b>Chem 120 or 128 (4) FA, SP, SU</b> Math 130	
Spring 17 hours	<b>Math 142 or 148 (4) FA, SP, SU</b> Prereq- Math 141 or 147	<b>EF 152 or 158 (4) FA, SP, SU</b> Prereq- EF 151 or 157 Coreq- Math 142 or 148	<b>ME 202 (2) FA, SP, SU</b> Coreq- EF 152 or 158 and Math 142 or 148	<b>English 102 (3) FA, SP, SU</b> Prereq- English 101 or 118	<b>Chem 130 or 138 (4) FA, SP, SU</b> Prereq- Chem 120 or 128	<b>BSE 104 (1) SP</b> Coreq- EF 151 or 158
Fall 17 hours	<b>Math 241 or 247 (4) FA, SP, SU</b> Prereq- Math 142 or 148	<b>ME 231 (3) FA, SP, SU</b> Prereq- EF 152 or 158 and ME 202 with grades of C or better	<b>ME 331 (3) FA, SP, SU</b> Coreq- Math 241 or 247	<b>BSE 201 (1) FA</b>	<b>BSE 221 (3) FA</b> Prereq- Chem 120 or 128 Coreq- EF 152 or 158	<b>BSE 231 (3) FA</b> Prereq- Chem 120 or 128 and Math 141 or 147
Spring 15 hours	<b>Math 231 or 237 (3) FA, SP, SU</b> Prereq- Math 142 or 148	<b>Biology 160 or 168 (3) FA, SP, SU</b> Coreq- Chemistry 120 or 128	<b>Chem 260 or 268 (3) FA, SP, SU</b> formerly Chem 350/358 Prereq- Chem 130 or 138	<b>ME 321 (3) FA, SP, SU</b> Prereq- ME 202 with C or better and Math 142 or 148	<b>BSE 321 (3) SP</b> Prereq- BSE 221	
Fall 17 hours	<b>Phil 244 (3) FA, SP</b> Arts & Humanities	<b>AE 341 or 347 (3) FA, SP, SU</b> Prereq- ME 231 with C or better and Math 241 or 247	<b>ECE 301 (3) FA, SP, M</b> Prereq- Math 231	<b>Stats 251 (3) FA, SP, SU</b> or <b>IE 200 (3) FA, SP</b> Prereq- Math 142 or 148	<b>English 360 (3) (WC) FA, SP</b> Prereq- English 102 or 118 Minimum level- junior	<b>Math 200 (2) FA, SP</b>
Spring 15 hours	<b>BSE 411 or 417 (3) SP</b> Prereq- ME 231 and 321 with grades of C or better	<b>BSE 431 or 437 (3) SP</b> Prereq- BSE 321 with grade of C or better	<b>BSE 451 or 457 (4) SP</b> Prereq- ECE 301 with grade of C or better	<b>Chem 360 or 368 (3) FA, SP, SU</b> Prereq- Chem 260 or 268 formerly Chem 350/358	<b>Chem 369 (2) FA, SP, SU</b> Coreq- Chem 360 or 368	
Fall 15 hours	<b>Econ 201 or 207 (4) FA, SP, SU</b> or <b>AREC 201 (4) SP</b> Social Science	<b>Gen Ed (3) FA, SP, SU</b> Cultures & Civilizations	<b>BSE 400 (2) FA</b> Prereq- Three of BSE 411/417, 431/437, 451/457 Coreq- BSE 404 and 444	<b>BSE 444 (3) FA</b> Prereq- Three of BSE 411/417, 416/418 or CE 495,498,431,451 Coreq- BSE 400 and 404	<b>BSE 404 (3) (OC) FA</b> Prereq- Three of BSE 411/417, 416/418, or CE 495,498, 431/437, 451/457 Coreq- BSE 400 and 444	
Spring 15 hours	<b>Gen Ed (3) FA, SP, SU</b> Social Science	<b>Gen Ed (3) FA, SP, SU</b> Arts & Humanities	<b>BSE 402 (6) SP</b> Prereq- BSE 400 and 404 and 444	<b>Gen Ed (3) FA, SP, SU</b> Cultures & Civilizations		

**BSE Graduation requirements:** a) achieve at least a 2.0 GPA in all BSE courses; b) only one BSE course with a grade of D+, or D may be used toward graduation; c) no BSE course with a grade of D- may be used for graduation; d) achieve at least a 2.0 GPA in the required math courses.

**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

Students also have opportunities for an Honors Concentration. See the Undergraduate Catalog for details and requirements.