

Biosystems Engineering Catalog 2020

Fall 16 hours	Math 141 or 147 (4) FA, SP, SU Prereq- Math ACT 28 or Math SAT 660	EF 151 or 157 (4) FA, SP Coreq- Math 132/141/147 or higher and EF 105 or CS 101 or CS 102	EF 105 (1) FA, SP Coreq- EF 151 or 157	Chem 121 & 123 or 128 (4) FA, SP, SU Prereq-Math 119; recommended background in Math 131	English 101/118 or 198 or 131 (3) FA, SP, SU 101 Regular; 118 Honors 198 Chancellor Honors only; 131 ESL	
Spring 17 hours	Math 142 or 148 (4) FA, SP, SU Prereq- Math 132 or 141 or 147	EF 152 or 158 (4) FA, SP, SU Prereq-EF 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	Gen Ed (3) FA, SP, SU Cultures & Civilizations	English 102 or 290 or 298 or 132 (3) FA, SP, SU see catalog for prereqs	BSE 104 (1) SP Coreq- EF 151 or 158
Fall 17 hours	Math 241 or 247 (4) FA, SP, SU Prereq- Math 142 or 148	ME 231 (3) FA, SP, SU Prereq- EF 152 or 158 and ME202 with grades of C or better	ME 331 (3) FA, SP, SU Coreq- Math 241 or 247	BSE 201 (1) FA	BSE 221 (3) FA Prereq- Chem 122 & 123 or 128 Coreq- EF 152 or 158	BSE 231 (3) FA Prereq- Chem 122 & 123 or 128 and Math 132 or 141 or 147
Spring 16 hours	Math 231 or 237 (3) FA, SP, SU Prereq- Math 142 or 148	Biology 160 or 168 (3) FA, SP, SU Coreq- Chemistry 120 or 128	ESS 210 (4) FA, SP, SU	ME 321 (3) FA, SP, SU Prereq- ME 202 with C or better and Math 142/148 with C better	BSE 321 (3) SP Prereq- BSE 221	
Fall 17 hours	Philosophy 244 (3) FA, SP Arts & Humanities	AE 341/347 or CE 391 (3) FA, SP, SU Prereq- ME 231 with C or better and Math 241 or 247	ECE 301 (3) FA, SP, M Prereq- Math 231 with C or better	Stats 251 (3) FA, SP, SU or IE 200 (3) FA, SP Prereq- Math 142 or 148	English 360 (3) (WC) FA, SP Prereq- English 102 or 118 Minimum level- junior	Math 200 (2) FA, SP
Spring 16 hours	BSE 411 or 417 (3) SP Prereq- ME 231 and 321 with grades of C or better	BSE 416/418 or CE 495/498 (3) SP Prereq- AE 341/347 with C Prereq- CE 391 for CE choices	BSE 431 or 437 (3) SP Prereq- BSE 321 with grade of C or better	BSE 451 or 457 (4) SP Prereq- ECE 301 with grade of C or better	*Technical Elective (3) FA, SP, SU	
Fall 15 hours	Econ 201/207 (4) FA, SP, SU or Arec 201 (4) SP Social Science	*Technical Elective (3) FA, SP, SU	BSE 400 (2) FA Prereq- Three of BSE 411/417, 416/418 or CE 495,498,431,451 Coreq- BSE 404 and 444	BSE 444 (3) FA Prereq- Three of BSE 411/417, 416/418 or CE 495,498,431,451 Coreq- BSE 400 and 404	BSE 404 (3) (OC) FA Prereq- Three of BSE 411/417, 416/418, or CE 495,498, 431/437, 451/457 Coreq- BSE 400 and 444	
Spring 15 hours	Gen Ed (3) FA, SP, SU Social Science	Gen Ed (3) FA, SP, SU Arts & Humanities	BSE 402 (6) SP Prereq- BSE 400 and 404 and 444	Gen Ed (3) FA, SP, SU Cultures & Civilizations		

***Technical Electives-** Note that some electives have required prerequisites. See individual course descriptions for specific information. BSE 525, 543; CBE 481; CSAS 345, 355, 414, 424, 432, 434, 452, 462, 474; CE 381, 430, 485; CHEM 260 or 268, 360 or 368; ENVE 511, 512,513, 515, 516, 525, 526, 527, 530, 532, 533, 544, 558, 561, 574; ESS 334, 434, 442, 444, 454; Geog 411; Geol 485; IE 304; Math 300, 403, 411, 431; ME 363 or 367, 366, 391 or 397, 405, 451, 466.

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.

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