

Biosystems Engineering Catalog 2022 Pre- Professional Concentration

Fall 16 hours	Math 132 or 141 or 147 (3-4) (QR) FA,SP,SU	EF 142 or 151 or 157 (4) (EI)FA, SP	EF 105 (1) FA, SP	Chem 122(3) and 123(1) or 128 (4) (NS) FA, SP, SU	English 101/118 or 198 or 131 (3) FA, SP, SU	
	Prereq- Math 141 is ACT Math 28 or SAT Math 660 Prereq-Math 132 is Math 131	Coreq- Math 132/141/147 or higher and EF 105 or CS 101 or CS 102	Coreq- EF 151 or 157	Prereq-Math 119; recommended background in Math 131	101 Regular; 118 Honors; 198 Chancellor Honors Only; 131 English as Second Language	
Spring 17 hours	Math 142 or 148 (4) (QR) FA, SP, SU	EF 152 or 158 (4) (NS and EI) FA, SP, SU	ME 202 (2) FA, SP, SU	Chem 132(3) and 133(1) or 138 (4) FA, SP, SU	English 102 or 290 or 298 or 132 (3) FA, SP, SU	BSE 104 (1) SP
	Prereq- Math 132 or 141 or 147	Prereq-EF 142/151/157 with C or higher Coreq- Math 142 or 148	Coreq- EF 152 or 158 and Math 142 or 148	Prereq- Chem 122 & 123 or 128	see catalog for prereqs	Prereq- Chem 122 and 123 or 128 Coreq- EF 142 or 151 or 157
Fall 17 hours	Math 241 or 247 (4) FA, SP, SU	ME 231 (3) FA, SP, SU	ME 331 (3) FA, SP, SU	BSE 201 (1) FA	BSE 221 (3) FA	BSE 231 (3) FA
	Prereq- Math 142 or 148	Prereq- EF 152 or 158 and ME 202 with grades of C or better	Coreq- Math 241 or 247		Prereq- Chem 122 and 123 or 128 Coreq- EF 152 or 158	Prereq- Chem 122 and 123 or 128 and Math 141 or 147
Spring 16 hours	Math 231 or 237 (3) FA, SP, SU	Biology 160 or 168 (3) FA, SP, SU	Chem 260 or 268 (3) FA, SP, SU	Chem 269 (1) FA, SP, SU	ME 321 (3) FA, SP, SU	BSE 321 (3) SP
	Prereq- Math 142 or 148	Coreq- Chemistry 122 and 123 or 128	formerly Chem 350/358 Prereq- Chem 132 and 133 or 138	Prereq- Chem 132 and 133 or 138 Coreq- Chem 260 or 268	Prereq- ME 202 with C or better and Math 142/148 with C better	Prereq- BSE 221
Fall 15 hours	Philosophy 244 (3) FA, SP Arts & Humanities	BSE 326 (3) FA, SP	BSE 351 (3) FA, SP	Stats 251 (3) FA, SP, SU or IE 200 (3) FA, SP	English 360 (3) (WC) FA, SP	
		Prereq- EF 152 or 158 and Math 241 or 247	Prereq- EF 152 or 158 and Math 231 or 237	Prereq- Math 142 or 148	Prereq- English 102 or 118 or 132 or 290 or 298 Minimum level- junior	
Spring 16 hours	BSE 411 or 417 (3) SP	BSE 431 or 437 (3) SP	BSE 451 or 457 (4) SP	Chem 360 or 368 (3) FA, SP, SU	Chem 359 (1) FA, SP, SU	Math 200 (2) FA, SP
	Prereq- ME 231 and 321 with grades of C or better	Prereq- BSE 321 with grade of C or better	Prereq- ECE 301 with grade of C or better	Prereq- Chem 260 or 268 formerly Chem 350/358	Prereq- Chem 269 Coreq- Chem 360 or 368	
Fall 14 hours	Vol Core (3) FA, SP, SU	Vol Core (3) FA, SP, SU	BSE 400 (2) FA	BSE 444 (3) FA	BSE 404 (3) (OC) FA	
	Social Science (SS)	Global Citizenship International (GCI)	Prereq- Three of BSE 411/417, 431/437, 451/457 Coreq- BSE 404 and 444	Prereq- Three of BSE 411/417, 416/418 or CE 495,498,431,451 Coreq- BSE 400 and 404	Prereq- Three of BSE 411/417, 416/418, or CE 495,498, 431/437, 451/457 Coreq- BSE 400 and 444	
Spring 15 hours	Vol Core (3) FA, SP, SU	Vol Core (3) FA, SP, SU	Vol Core (3) FA, SP, SU	BSE 402 (5) (EI) SP	BSE 403 (1) (AOC) SP	
	Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS	Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS	Global Citizenship United States (GCUS)	Prereq- BSE 400 and 404 and 444 Co-req- BSE 403	Prereq- BSE 400 and 404 and 444 Co-req BSE 402	

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.

Volunteer Core courses highlighted in light orange.