

BIOSYSTEMS ENGINEERING



UA COURSE	PIMA CC COURSE
1st Semester	
MATH 122B or MATH 125 Calculus I with Applications	MAT 220
CHEM 151 General Chemistry I or CHEM 105A/106A	CHM 151IN
ENGL 101 or 107 or 109H First-Year Composition	WRT 101, WRT 101A, WRT 101B, WRT 101C, WRT 107
ENGR 102A/B Introduction to Engineering or ENGR 102	ENG 102IN
Tier I General Education	AGEC-S
2nd Semester	
MATH 129 Calculus II	MAT 231
CHEM 152 General Chemistry II or CHEM 105B/106B	CHM 152IN
PHYS 141 Introductory Mechanics or PHYS 161H	PHY 210IN
ENGL 102 of 108 or 109H First-Year Composition	WRT 102, WRT 108
Tier I General Education	AGEC-S
3rd Semester	
CE 214 Statics	ENG 210
MATH 223 Vector Calculus	MAT 241
MCB 181R Introductory Biology I & MCB 181L Lab or PLS 240 Plant Biology	BIO 181IN or BIO 184IN
PHYS 241 Introductory Electricity and Magnetism or PHYS 261H	PHY 216IN
BE 201 Introduction to Biosystems Engineering	UA ONLY
BE 284 Biosystems Thermal Engineering (UA only)	ENG 232
4th Semester	
ECOL 182R Introductory Biology II & ECOL 182L Lab or PSIO 201 Human Anatomy and Physiology or MIC 205A/L General Microbiology	BIO 182IN or BIO 201IN or BIO 205IN
MATH 254 Intro to Ordinary Differential Equations	MAT 262
Tier I General Education	AGEC-S
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BE 205 Engineering Analytic Computer Skills	UA ONLY