

Bachelor of Science—Biosystems Engineering
University of Arizona College of Agriculture Life and Environmental Sciences
Pima Community College Transfer Pathway

The B.S. in Biosystems Engineering combines hands-on engineering, life sciences and math to solve current sustainability challenges. From innovative irrigation systems to renewable resources, to greenhouse optimization, we lead industries into a cleaner future. As a student in this program, you will work alongside noted faculty in both the College of Agriculture, Life and Environmental Sciences and the College of Engineering. Graduates from this ABET-accredited program pursue careers in areas like data science, environmental systems, soil and water conservation, and bioproducts.

Pima Community College students looking to transfer into the U of A's Biosystems Engineering program should use the following page as a recommended outline of courses. This information is provided by the [AZTransfer course equivalency guide](#) and is subject to change. Consult with your transfer admissions counselor and academic advisor to review specific courses and transfer pathways. After your official transcript is processed by the U of A, your coursework will be evaluated in preadmission for completion and grades (must receive C or higher).

For more information, visit <https://cales.arizona.edu/prospective-students/how-apply/transfer>

Semester One					
Pima CC Transfer Course	Complete	Units	Description	UA Course	Notes
MAT 220		5	Calculus I	MATH 122B and MATH 122A	
WRT 101		3	First Year Composition	ENGL 101	
ENG 102IN		3	Intro to Engineering	ENGR 102	
CHM 151IN		4	General Chemistry I	CHEM 151	
AGEC (General Education)		3	General Education	General Education	

Semester Two					
Pima CC Transfer Course	Complete	Units	Description	UA Course	Notes
MAT 231		4	Calculus II	MATH 129	
WRT 102		3	First Year Composition	ENGL 102	
PHY 210IN		4	Intro Mechanics	PHYS 141	
CHM 152IN		3	General Chemistry II	CHEM 152	
AGEC (General Education)		3	General Education	General Education	

Semester Three					
Pima CC Transfer Course	Complete	Units	Description	UA Course	Notes
MAT 241		4	Vector III	MATH 223	
BIO 181IN or BIO 184IN		4	General Biology I	MCB 181R & MCB 181L or PLS 240	
ENG 210		3	Statics	CE 214	
ENG 232		3	Thermodynamics	BE 284	
AGEC		3	General Education	General Education	

Semester Four					
Pima CC Transfer Course	Complete	Units	Description	UA Course	Notes
MAT 262		3	Differential Equations	MATH 254	
BIO 182IN or BIO 201IN or BIO 205IN		4	General Biology I	ECOL 182R & ECOL 182L or PSIO 201 or MIC 205A & MIC 205L	
PHY 216IN		4	Intro Electricity & Magnetism	PHYS 241	
AGEC		3	General Education	General Education	
**Elective or Statistics or ME Minor		3	Elective Credit	Elective Credit	
STU 210UA		2	Transfer Planning Class	Elective Credit	

****Elective options:** students may choose to take an elective course that may **not** apply toward the UA credits

or

Complete the UA BEBS statistics requirement using BUS 205 or any 200 level statistics course.

or

UA Biosystems Engineering majors can complete the ME minor requirements with one extra course AME250. Students who wish to declare the UA Mechanical Engineering Minor- should complete ENG 220 to satisfy the AME 250 ME minor requirement.

Meet with your Pima enrollment counselor to learn more about AGEC transfer options. We recommend completing the AGEC-Science (S) to satisfy transfer course requirements.