



**Arizona Transfer Admissions Pathway  
Bachelor of Science -- Science Education (Biology Option)  
College of Science, Teacher Preparation Program  
2012-13**

**Note: The degree requirements include sufficient Biology and Chemistry content to prepare students for the AEPa Content Knowledge exams in Biology and Chemistry.**

To qualify for the Science Education – Biology Option Transfer Admissions Pathway, an Arizona Western College student enrolled in the Associate of Science degree program must:

- Submit an undergraduate application for admission form to University of Arizona during the university's application filing period for acceptance, at least one semester in advance of transfer, and otherwise qualify for admission.
- Maintain a minimum recalculated GPA of 2.50 in all transferable courses. A minimum cumulative and major GPA of 2.5 is required to advance to student teaching.
- Satisfactorily complete all Arizona Western College graduation requirements for the Associate of Science prior to the date the student intends to transfer to the university; otherwise, transcripts will be evaluated on a course-by-course basis.
- The Science Education core courses may have prerequisite requirements and may not be offered in both Fall and Spring Semesters at the University. Check the current UA Schedule of Classes to confirm course availability and class prerequisites.

						
Credits			Credits			
<b>General Education Requirements</b>						
First Year English Composition	ENGL 101 & 102 or ENGL 109 or ENGL 107 & 108	6	Met by AGECS-S			35
Foundations Mathematics – Calculus I & II	MATH 124 or 125	5/3	Calculus I required SUN # MAT 2220	MAT 220		5
Tier I & Tier II		21				
Foundation Second Language	2 <sup>nd</sup> semester level proficiency	0-8	Language course at 102 level (or higher) or equivalent			0-8
<b>Biology Option</b>			<b>Associate of Science</b>			
Intro Biology I/Lab I	MCB 181R/181L	4	General Biology I	SUN # BIO 1181	BIO 181	4
Intro Biology II/Lab	MCB 182R/182L	4	General Biology II	SUN # BIO 1182	BIO 182	4
Applications of Cell & Molecular Biology for Teachers*	BIOC 470	3				
Ecological Principles for Teachers*	BIOC 471	3				
Advanced Genetics for Teachers*	BIOC 472	3				
Advanced Evolution for Teachers*	BIOC 473	3				
General Chemistry I	CHEM 151	4	General Chemistry I	SUN # CHM 1151	CHM 151	4
General Chemistry II	CHEM 152	4	General Chemistry II	SUN # CHM 1152	CHM 152	4
Lectures in Organic Chemistry/Lab	CHEM 241A/243a	4	Organic Chemistry I	SUN # CHM 2235	CHM 235	5
Lectures in Organic Chemistry/Lab	CHEM 241B/243b	4	Organic Chemistry II	SUN # CHM 2236	CHM 236	4
Advanced Chemistry I*	CHEM 470a	3				
Advanced Chemistry II*	CHEM 470b	3				
Introductory Physics I/Lab	PHYS 102/181	4	College Physics I	SUN # PHY 1111	PHY 201	4
Introductory Physics II/Lab	PHYS 103/182	4	College Physics II	SUN # PHY 1112	PHY 202	4
Intro to Statistics & Biostatistics	MATH 263	3				
Biology Teaching Methods for Secondary Teachers*	BIOC 434	3				
Teaching Science**	STCH 250	3				

Adolescent Learning in Science & Math**	STCH 310	3		
Planning & Implementing Science Curriculum**	STCH 420	4		
Managing Science Instruction in Diverse Classrooms**	STCH 410	4		
Methods of Teaching English to English Language Learners*	LCEV 408	3		
Science Teaching Practicum***	STCH 494A	10		
Science Teaching Seminar**	STCH 496A	1		
Sheltered English Instruction Methods*	LCEV 416	3		
Total Credits		117-127		
			Complete a combination of courses listed above, including the AGEC-S, to bring the total to 60-64 credits.	

\*This course is available in online format from the UA.

\*\*This online course also includes required hours in middle or high school science classrooms.

\*\*\* This is a full-semester student-teaching experience.

This addendum was reviewed by, and any questions about the document should be addressed to:

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For complete UA baccalaureate requirements for this major, see <http://aar.webhost.uits.arizona.edu/data/interface/aprrs-124.html#S>

To contact a Science Education advisor, see <http://advising.arizona.edu/node/178>