

**Arizona Transfer Admissions Pathway
Bachelor of Science—Science Education (Biology & Chemistry)
Central Arizona College
2013-2014**

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 & Chemistry Option Transfer Admissions Pathway, a Central Arizona 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.
- Satisfy a department writing requirement if that student did not earn a grade of “B” or better in 1st and 2nd semester English Composition
- Satisfactorily complete all Central Arizona 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.
- Check the current UA Schedule of Classes to confirm course availability and class prerequisites because the Science Education core courses may have prerequisite requirements and may not be offered in both Fall and Spring semesters at the University.



University of Arizona



Central Arizona College

SEMESTER ONE					
Course Title	Course Number	Units	SUN #*	Course Number	Units
First-Year Composition	ENGL 101	3	ENG 1101	ENG101	3
Calculus I	MATH 122A & B	5	MAT 2220	MAT 221	4
General Chemistry I	CHEM 151	4	CHM 1151	CHM 151	4
General Education/Humanities Course	TRAD 1XX	3		Satisfied by AGEÇ†	3
15			14		

SEMESTER TWO					
Course Title	Course Number	Units	SUN #†	Course Number	Units
First-Year Composition	ENGL 102	3	ENG 1102	ENG 102	3
General Chemistry II	CHEM 152	4	CHM 1152	CHM 152	4
Introductory Biology I	ECOL 181	4	BIO 1181	BIO 181	4
Elective		3		Elective	3
General Education/Social Sciences Course	INDV 1XX	3		Satisfied by AGEÇ†	3
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SEMESTER THREE					
Course Title	Course Number	Units	SUN #†	Course Number	Units
Organic Chemistry I	CHEM 241A & 243A	4	CHM 2235	CHM 235	4
Introductory Biology II	ECOL 102 R & L	4	BIO 1182	BIO 182	4
General Education/Humanities Course	TRAD 1XX	3		Satisfied by AGECS	3
Introductory Physics I	Physics 102 & 181	4	PHY 1111	PHY 111, PHY 121	4
15					15

SEMESTER FOUR					
Course Title	Course Number	Units	SUN #†	Course Number	Units
Organic Chemistry II	CHEM 241B & 243B	4	CHM 2235	CHM 236	4
Basic Statistics	MATH 163	3	MAT 1160	MAT 162 OR PSY 230 or BUS 208	3
General Education/Social Sciences Course	INDV 1XX	3		Satisfied by AGECS	3
Introductory Physics II	Physics 103 & 182	4	PHY 1112	PHY 112, PHY 122	4
14					14

SEMESTER FIVE					
Course Title	Course Number	Units	SUN #*	Course Number	Units
Science Elective				Lab Science @ CAC	4
Science Elective				Lab Science @ CAC	4
Ecological Principles for Teachers*	BIOC 471	3			
Teaching Science *#	STCH 250	3			
Advanced Chemistry I*	CHEM 470a	3			
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SEMESTER SIX					
Course Title	Course Number	Units		Course Number	Units
Methods of Teaching English to English Language Learners	LCEV 408	3			
Adolescent Learning in Science & Math	STCH 310	3			
Advanced Evolution for Teachers*	BIOC 473	3			
Advanced Chemistry II*	CHEM 470b	3			
Advanced Genetics for Teachers*	BIOC 472	3			
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SEMESTER SEVEN					
Course Title	Course Number	Units		Course Number	Units
Managing Science Instruction in Diverse Classrooms*#	STCH 410	4			
Biology Teaching Methods for Secondary Teachers*	BIOC 434	3			
Sheltered English Instruction Methods*	LCEV 416	3			
Central Ideas in Chemical Science	CHEM 439a	3			
Applications of Cell & Molecular Biology for Teachers*	BIOC 470	3			

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SEMESTER EIGHT					
Course Title	Course Number	Units		Course Number	Units
Science Teaching Practicum**	STCH 496A	1			
Science Teaching Seminar*	STCH 494A	10			
Planning & Implementing Science Curriculum*#	STCH 420	2			

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***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.**

†SUN numbered courses are “Shared Unique Numbers” across Arizona community colleges and universities that have equivalents at least three Arizona community colleges and all three state universities. For more information, visit <http://aztransfer.com/aztransfer/sun/index.html>.

‡For a list of AGECE (Arizona General Education Curriculum) courses in the at Central Arizona College (CAC), please visit the CAC catalog at http://www.centralaz.edu/Home/Admissions/Register_for_Classes/Catalog_and_Schedules.htm and the AGECE-Web at <https://aztransmac2.asu.edu/cgi-bin/WebObjects/agece.woa/1/wo/WtmeAMOMegIQdxb8TjVLA0/0.0.45.2.1.1>.

For complete UA baccalaureate requirements visit www.degreecentral.arizona.edu.

To contact a UA Advisor, please visit <http://www.advising.arizona.edu/node/178>.