Arizona Transfer Admissions Pathway
Bachelor of Science – Computer Science 2011-2012
College of Science

To qualify for the Computer Science Bachelor of Science Pathway, an Arizona Western College student enrolled in the Associate of Science in Computer Science degree must:

☐ Submit an undergraduate admissions application to the University of Arizona during the university's admission filing period for acceptance, at least one semester in advance of transfer, and otherwise qualify for admission.

☐ Admission to the Computer Science major is competitive. Selections for major admission are made early each fall and spring semester. Students will remain in pre-Computer Science standing until they submit a major application and are admitted to the major. To be admitted to the Computer Science major, a student must have: a minimum 3.0 UA GPA; grades of B or better in all Computer Science courses, taken at the UA or elsewhere; grades of B or better in all math courses at the level of calculus or higher, taken at the UA or elsewhere; at least one programming course completed at the UA; at least one math courses (calculus I) or higher completed at the UA; a minimum of 24 UA units, and completed the entire pre-major curriculum.

☐ Students who do not earn a grade of B or better in 2nd semester English Composition must also satisfy a college or department writing requirement.

☐ Complete satisfactorily all Arizona Western College's graduate requirements for the Associate of Science in Computer Science degree prior to the date the student intends to transfer to the university; otherwise, transcripts will be evaluated on a course-by-course basis.

THE UNIVERSITY OF ARIZONA		Credits	ARIZONA WESTERN COLLEGE		Credits
General Education Requirements					
Freshman Composition	ENGL 101 & ENGL 102	6	AGEC-S Freshman Comp: ENG 101 & ENG 102 (6)		37
Foundation Mathematics	MATH 124	3	Math: MAT 220 (5);		
Gen Ed Tier I	2 courses INDV (6) 2 courses TRAD (6)	12	Arts (3); Humanities: PHI 103 (3)		
Gen Ed Tier II	1 course ARTS (3) 1 course HUM (3) 1 course INDV (3)	9	Soc/Behavioral (6); ECN 250 and one additional Soc/Behv. course Phy/Biological Sci.: PHY 221 & PHY 222 (8); Options: CHM 151 (4) and one additional Options category course		
Foundation Languages	2nd semester proficiency	0-8	Language course at 202 level (or higher) or equivalent		
Core Requirements					
Supporting Science Requirement (complete two)			**Arizona Western College Courses**		
General Chemistry I	CHEM 151	4	Met above in AGEC S		
General Chemistry II	CHEM 152	4			
Introductory Biology I	MCB 181R & 181L	4			
Introductory Biology II	ECOL 182R & 182L	4			
Introductory Mechanics	PHYS 141	4	Met above in AGEC S		
Physical Geology	GEOS 251	4			
Computer Science Pre-Major					
Calculus II	MATH 129	3	MAT 230		5
Select two courses	C SC 127a, 127B or C SC 227 or C SC 127A, C SC 227	6	CSC 127A CSC 127B		4 4
			Additional Courses Required for AWC degree		
			EGR 123		3

			CIS 120 or CIS 105		3
			CIS 175		4
			CSC 210 or CSC 215		4
Computer Science Major			**Computer Science Major Courses at UA Yuma**		
Select two courses (met by completion of pre-major)	C SC 127A, 127B or C SC 227	6	Program Design & Develop	C SC 227	3
Select four courses	C SC 252, 335, or CSCV* 335, C SC 345 or CSCV 345, C SC 352 or CSCV 352	12	Computer Organization	C SC 252	3
			Object-Oriented Programming and Design	CSCV 335	3
			Systems Programming and Unix	CSCV 352	3
Select one course	C SC 245 or MATH 243	3	Introduction to Discrete Structures	C SC 245	3
Select one course	C SC 372 or CSCV 372, S SC 422 or CSCV 422, S SC 460 or CSCV 460	3	Comparative Programming Lang.	CSCV 372	3
Select one course	C SC 437, 445 or CSCV 445 or CSCV 453	3	Algorithms	CSCV 445	3
			Compilers/Systems Software	CSCV 453	3
Select six to 7 units	C SC 400 to 421, 422 or CSCV 422, C SC 423 to 444, 445 or CSCV 445, C SC 446 to C SC 451, 452, C SC 453 or CSCV 453, C SC 454 to 459, 460 or CSCV 460, C SC 461 to 470, 471 or CSCV 471, C SC 472, 473 or CSCV 473, C SC 474 TO 489, ECE 369	6-7	Mathematical Logic	CSCV 402	3
			Principles of Operating Systems	CSCV 452	3
			Computer Networking	C SC 425	3
			Database Designs	CSCV 460	3
			Automata, Grammars & Languages	CSCV 473	3
			Introduction to Computer Vision	C SC 477	3
			Technical Writing (UA-Yuma)	ASM 350	3

No more than 64 community college credits may be applied toward the 120 credits required for a bachelor's degree.

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

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For complete UA baccalaureate requirements, see http://advising.arizona.edu/sites/default/files/Computer%20Science_2.pdf
To contact a UA Computer Science advisor, see **http://advising.arizona.edu/node/136**