

Program Transfer Guide

Central Arizona College
Associate of Applied Science (A.A.S.)
in Computer Programming

→ UIU Bachelor of Science (B.S.)
in Information Systems (IS)

AUGUST 2015



UPPER IOWA UNIVERSITY

Established in 1857®

Central Arizona College Course			Transfers as UIU Course		
Course Num	Course Name	# Cr	Course Num	Course Name	Requirement Fulfilled
Pre-Program Requirements					
RDG 094	College Reading	(3)	-	-	<i>no transfer</i>
Departmental Core Requirements					
CIS 112	Web Page Design Fundamentals	3	IT 320 ^{A*}	Networking	Major OR Gen Elec
CIS 120	Survey of Computer Info Systems	3	CS 102	Intro to Computer Applications & Tech.	GE Computers & Major
CIS 121	Microcomputer Op Sys Fundamentals	3	CS 212 ^B	Operating Systems	Major OR Gen Elec
CIS 123	Introduction to Programming	3	CS 140	Introduction to Programing	General elective
CIS 150	Windows Server	3	CS 212 ^B	Operating Systems	Major OR Gen Elec
CIS 181	C#.Net	4	-	-	General elective
CIS 214	Application Development in Excel	3	-	-	General elective
CIS 216	JAVA Programming	4	-	-	General elective
CIS 217	Application Development in Access	3	-	-	General elective
CIS 218	C++ Programming	4	SE 200	Advanced Computer Programing	General elective
CIS 233	Web Appl Development using PHP	3	IT 320 ^{A*}	Networking	Major OR Gen Elec
Total Departmental Core Requirements		36			
Specialty Core Requirements					
BUS 100	Introduction to Business	3	-	-	General elective
BUS 207	Business Communications	3	-	-	General elective
Total Specialty Core Requirements		6			
General Education Requirements					
<i>Written Communications</i>					
ENG 101	English Composition III	3	ENG 101	English Composition I	GE Communic/Wrtn
<i>Oral Communications</i>					
COM 206	Public Speaking	3	COMM 105	Public Speaking	GE Communic/Oral
<i>Arts & Humanities</i>					
HMC 250	Humanities in the Western World I	3	-	-	GE Arts/Humanities
HMC 251	Humanities in the Western World II				
HMC 252	Humanities in the Western World II				
<i>Social and Behavioral Sciences</i>					
ECN 202	Principles of Microeconomics	3	BA 160	Microeconomic Principles	GE Soc Sci AND Major
<i>Physical and Biological Sciences</i>					
Select from those that transfer as UIU GE Natural Science		4	-	-	GE Natural Science
<i>Mathematics</i>					
BUS 101	Business Math	3	-	-	General elective
MAT 151	College Algebra, Standard	4	MATH 107	College Algebra	GE Math AND major
or MAT162	Applied Statistics	(3)	MATH 220	Elementary Statistics	GE Math AND major
Total General Education Requirements		22-23			
Total CAC program credits		63-64			

A :: Transfers as UIU's IT 320 only if CIS 112, CIS 210, and CIS 233 are completed; without ALL, "A" courses transfer as general elective

B :: Transfers as UIU's CS 212 only if CIS 121, CIS 150, and CIS 213 are completed;; without ALL, "B" courses transfer as general elective

Courses to be taken during years 3 & 4 at Upper Iowa University

UIU course		# Cr	Requirement Fulfilled	Transfer
ENG 101	Basic Composition	3	Gen Ed Communication/Written	ENG 101
ENG 102	English Composition II	3	Gen Ed Communication/Written	---
COMM 105	Public Speaking	3	Gen Ed Communication/Oral	COM 206
CS 102	Intro to Computer Applications & Tech	3	Gen Ed Computer Skills	CIS 120
MATH 107 or MATH 220	College Algebra	3	Gen Ed Mathematics	MATH 151
	Elementary Statistics			MATH 187
	<i>any Gen Ed in Arts/Humanities</i>	3	Gen Ed Arts/Humanities	HMC 250/1/2
	<i>any Gen Ed in Arts/Humanities</i>	3	Gen Ed Arts/Humanities	---
	<i>any Gen Ed in Natural Science</i>	4	Gen Ed Natural Science	TBD
	<i>any Gen Ed in Natural Science</i>	3	Gen Ed Natural Science	---
	<i>any Gen Ed in Social Science</i>	3	Gen Ed Social Science	ECN 202
	<i>any Gen Ed in Social Science</i>	3	Gen Ed Social Science	---
	<i>any Gen Ed in Cultures</i>	3	Gen Ed Cultures	---
ID 301	Critical Thinking	3	Gen Ed Critical Thinking	---
CS 102	Intro Computer Applications & Tech	3	Gen Ed for Major	CIS 120
MATH 107	College Algebra	3 *	Gen Ed for Major	MATH 151
CS 122	IT Infrastructure	4	Major	---
CS 130	Foundations of Information Systems	3	Major	---
CS 332	Database & Information Management	3	Major	---
CS 342	Human Computer Interaction	3	Major	---
CS 400	Project Management and Integration	4	Major	---
IS 310	Systems Analysis and Design	3	Major	---
IS 320	Enterprise Architecture	3	Major	---
IS 410	IS Strategy/Management/Acquisition	3	Major	---
BA 160	Microeconomic Principles	3	Major	ECN 202
BA 201	Accounting Principles I	3	Major	---
BA 208	Marketing Principles	3	Major	---
BA 210	Management Principles	3	Major	---
BA 222	Management Information Systems	3	Major	---
BA 302	Business Law I	3	Major	---
MATH 220	Elementary Statistics	3 *	Major	(MATH 187)
	<i>upper division computer electives</i>	0-8	Major	<i>see table below</i>
CS 480	Senior Capstone I	1	Major	---
CS 481	Senior Capstone II	1	Major	---
<i>upper division electives</i>		3	Baccalaureate degree	
Minimal credits to be taken at UIU **		73		

* Only one of these 2 courses will have been taken in the CAC program.

** Based on Central Arizona College courses listed on page 1.

Elective Options for Major – minimum of 6 credits required

<u>UIU course</u>		<u># Cr</u>	<u>Elective Type</u>	<u>Transfer</u>
IS 360	IT Security & Risk Management	3	Information Systems & Security & Integration (ISSI) Specialization	---
IS 420	Enterprise Systems & Mgmt	3	Information Systems & Security & Integration (ISSI) Specialization	---
IS 348	Business Process Management	3	Information Systems Technology Management (ISTM) Specialization	---
IS 370	IT Audit and Controls	3	Information Systems Technology Management (ISTM) Specialization	---
IS 499	Special Project	3	Other IS Elective	---
CS 140	Introduction to Programing	4	Non-IS Elective	---
CS 205	Computer Architecture	4	Non-IS Elective	---
CS 212	Operating Systems	4	Non-IS Elective	CIS 121+150+213
IT 310	Networking	4	Non-IS Elective	---
IT 320	Web Systems/System Integration	4	Non-IS Elective	CIS 112+210+233
SE 200	Advanced Computer Programing	4	Non-IS Elective	---
SE 300	Data Structures and Algorithms	4	Non-IS Elective	---
SE 310	Software App & Interface Design	4	Non-IS Elective	---

Every effort has been made to ensure the accuracy and completeness of this program articulation.
 The office of the Registrar of Upper Iowa University reserves the right
 to make corrections, additions, and deletions as necessary.