

Program Transfer Guide

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

→ UIU Bachelor of Science (B.S.)
in Information Technology (IT)

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	-	-	No transfer
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					
<u>Written Communications</u>					
ENG 101	English Composition III	3	ENG 101	English Composition I	GE Communic/Wrtn
<u>Oral Communications</u>					
COM 206	Public Speaking	3	COMM 105	Public Speaking	GE Communic/Oral
<u>Arts & Humanities</u>					
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				
<u>Social and Behavioral Sciences</u>					
ECN 201 OR	Principles of Macroeconomics	3	BA 161	Macroeconomic Principles	GE Social Sciences
ECN 202	Principles of Microeconomics		BA 160	Microeconomic Principles	
<u>Physical and Biological Sciences</u>					
Select from those that transfer as UIU GE Natural Science		4	-	-	GE Natural Science
<u>Mathematics</u>					
BUS 101	Business Math	3	-	-	General elective
MAT187 OR	Precalculus	5	MATH 111	Pre-Calculus Math	GE Math AND major
MAT 162	Applied Statistics	(3)	MATH 220	Elementary Statistics	GE Math AND major
Total General Education Requirements		22-24			
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

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
MIS 101	Intro to Computer Applications	3	Gen Ed Computer Skills	CIS 120
MATH 111 or MATH 220	Pre-Calculus Mathematics	3	Gen Ed Mathematics	MATH 187
	Elementary Statistics			MATH 162
	<i>any Gen Ed in Arts/Humanities</i>	3	Gen Ed Arts/Humanities	HCM 250/1/2
	<i>any Gen Ed in Arts/Humanities</i>	3	Gen Ed Arts/Humanities	
	<i>any Gen Ed in Natural Science</i>	3	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 201/202
	<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 & Technology	3	Gen Ed for Major	CIS 120
MATH 111	Pre-Calculus Mathematics	3	Gen Ed for Major	(MAT 187) *
CS 122	IT Infrastructure	4	Major	
CS 130	Foundations of Information Systems	3	Major	
CS 140	Introduction to Programming	4	Major	CIS 123
CS 205	Computer Architecture	4	Major	
CS 212	Operating Systems	4	Major ^B	CIS 121 & 150 & 213
CS 332	Database & Information Management	3	Major	
CS 342	Human Computer Interaction	3	Major	
CS 400	Project Management and Integration	4	Major	
IT 310	Networking	4	Major	
IT 320	Web Systems and System Integration	4	Major ^A	CIS 112 & 210 & 233
IT 410	Information and System Security	3	Major	
MATH 220	Elementary Statistics	3	Major	(MAT 162) *
CS 480	Senior Capstone I	1	Major	
CS 481	Senior Capstone II	1	Major	
<i>upper division electives – see options below</i>		6	Major	

Minimum credits to be taken at UIU **

57

<i>Cyber Security and Computer Forensics (SEC) Specialization Elective Options</i>		
IT 360	<i>Computer Forensics and Incident Response</i>	3
IT 420	<i>System Security and Risks</i>	3
<i>Network Management (NET) Specialization Elective Options</i>		
IT 348	<i>Advanced Networking</i>	3
IT 370	<i>Network Management</i>	3
<i>Other IT Elective Option</i>		
IT 499	<i>Special Project</i>	3
<i>Non-IT Elective Options</i>		
SE 200	<i>Advanced Computer Programming</i>	3
SE 300	<i>Data Structures</i>	3
IS 310	<i>Systems Analysis and Design</i>	3
SE 310	<i>Software Application and Interface Design</i>	3
IS 320	<i>Enterprise Architecture</i>	3
IS 410	<i>IS Strategy, Management and Acquisition</i>	3
SE 410	<i>Software Testing, Validation and Verification</i>	3

* Only one of these will have been taken at Central Arizona College.

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

last updated 09-08-2015

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.