

## Program Transfer Guide

Central Arizona College  
Associate of Applied Science (A.A.S.)  
in Network Systems Administration

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

AUGUST 2015



Central Arizona College Course			Transfers as UIU Course		
Course Num	Course Name	# Cr	Course Num	Course Name	Requirement Fulfilled
<b>Pre-Program Requirements</b>					
RDG 094	College Reading	3	-	-	<i>no transfer</i>
<b>Departmental Core Requirements</b>					
BUS 100	Introduction to Business	3	-	-	General elective
BUS 207	Business Communication	3	-	-	General elective
CIS 120	Survey of Computer Info Systems	3	CS 102	Intro to Computer Applications & Tech.	GE Computer Skills <b>AND</b> Major
CIS 123	Introduction to Programming	3	CS 140	Introduction to Programing	Major
CIS 135	Fundamentals of Telephony and Telecommunications	3	-	-	General elective
CIS 210	Cloud Computing	3	-	-	General elective
CIS 121	Microcomputer Op Sys Fundamentals	3	CS 212	Operating Systems	Major
CIS 150	Windows Server	3			
CIS 213	Linux Server	3	IT 310 *	Networking	Major
CIS 152	Network Infrastructure	3			
CIS 153	Network Security	4	IT 348	Advanced Networking	Major elective
CIS 215	Cisco Routers	3			
CIS 220	Security for Wireless Networks	3	-	-	General elective
CIS 219	Exchange Server	3	-	-	General Elective
	Optional Internship	1	-	-	General Elective
<b>Total CAC Departmental Core Credits</b>		43-44			
<b>General Education Requirements</b>					
<u>Written Communications</u>					
ENG 101	English Composition III	3	ENG 101	Basic Composition	GE Writ Commun
ENG 102	English Composition IV	3	ENG 102	English Composition II	GE Writ Commun
COM 263	Intercultural Communications	3	COMM 221	Intercultural Communications	GE Cultures
PHI 105	Introduction to Ethics	3	PHIL 202	Contemporary Ethics	GE Arts/Humanities
<u>Social and Behavioral Sciences</u>					
ECN 202	Principles of Microeconomics	3	BA 160	Microeconomic Principles	GE Soc Sci <b>AND</b> Major
<u>Physical and Biological Sciences</u>					
<i>Select from those that transfer as UIU GE Natural Science</i>			-	-	GE Natural Sciences
<u>College-Level Mathematics</u>					
MAT 151 or	College Algebra, Standard	4	MATH 107	College Algebra	GE Math <b>AND</b> Major
MAT 162	Applied Statistics	3	MATH 220	Elementary Statistics	GE Math <b>AND</b> Major
<b>Total General Education Credits</b>		22-24			
<b>Other CAC Requirements</b>					
PAC or DAN course		1	-	-	General elective
<b>Total CAC program credits</b>		66-69			

\* To transfer as UIU's IT 310, student must also complete CAC's CIS 130; otherwise, CIS 152 & CIS 153 transfer as general electives.

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	ENG 102
COMM 105	Public Speaking	3	Gen Ed Communication/Oral	
MIS 101	Intro Computer Applications & Technology	3	Gen Ed Computer Skills	CIS 120
MATH 107 or MATH 220	College Algebra Elementary Statistics	3	Gen Ed Mathematics	MAT 151 MAT 162
	<i>any Gen Ed in Arts/Humanities</i>	3	Gen Ed Arts/Humanities	PHI 105
	<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 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	COM 263
ID 301	Critical Thinking	3	Gen Ed Critical Thinking	

CS 102	Intro Computer Applications & Technology	3	Gen Ed for Major	CIS 120
MATH 107	College Algebra	3	Gen Ed for Major	MAT 151 *
CS 122	IT Infrastructure	4	Major	
CS 130	Foundations of Information Systems	3	Major	
CS 332	Database and 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 and Acquisition	3	Major	
BA 160	Microeconomic Principles	3	Major	
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	MAT 162 *
	<i>upper division electives</i>	6	Major	<i>see table below</i>
CS 480	Senior Capstone I	1	Major	
CS 481	Senior Capstone II	1	Major	
<i>Additional general electives, 3 of which must be upper division</i>		6	Baccalaureate degree	

**Minimum credits to be taken at UIU\*\* 53-59**

*Information Systems and Security & Integration (ISSI) Specialization options*

IT 360	Computer Forensics and Incident Response	3
IT 420	System Security and Risks	3

*Information Systems & Technology Management (ISTM) Specialization options*

IT 348	Advanced Networking	3	CIS 215/220
IT 370	Network Management	3	

*Other IS Elective Option*

IT 499	Special Project	3
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*Non- IS Elective Options*

CS 140	Intro to Programing	4
CS 205	Computer Architecture	4
CS 212	Operating Systems	4
IT 310	Networking	4
IT 320	Web Systems and System Integration	4
SE 200	Advanced Computer Programing	4
SE 300	Data Structures and Algorithms	4
SE 310	Software Application & Interface Design	4

\* Only one of these courses will have been completed at Central Arizona College.

\*\* Based on student completing Central Arizona College coursework as listed on page 1.

**Every effort has been made to ensure the accuracy and completeness of the above course transfer guide. The Office of the Registrar of Upper Iowa University reserves the right to make corrections, additions, and deletions as necessary.**