

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 Technology (IT)

AUGUST 2015



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					
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 AND 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
Total CAC Departmental Core Credits		43-44			
General Education Requirements					
<i>Written Communications</i>					
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
<i>Social and Behavioral Sciences</i>					
ECN 201 or ECN 202	Principles of Macroeconomics Principles of Microeconomics	3	BA 161 BA 160	Macroeconomic Principles Microeconomic Principles	GE Social Sciences GE Social Sciences
<i>Physical and Biological Sciences</i>					
<i>Select from those that transfer as UIU GE Natural Science</i>		4	-	-	GE Natural Sciences
<i>College-Level Mathematics</i>					
MAT 162 or MAT 187	Applied Statistics Pre-Calculus	3 5	MATH 220 MATH 111	Elementary Statistics Pre-Calculus Mathematics	GE Math AND major GE Math AND major
Total General Education Credits		22-24			
Other CAC Requirements					
PAC or DAN course		1	-	-	General elective
Total CAC program credits		66-69			

@ NOTE: Lower division transfer work does not contribute to the upper division credit requirement at UIU.

* 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 to Computer Applications	3	Gen Ed Computer Skills	CIS 120
MATH 111 or MATH 220	Pre-Calculus Mathematics Elementary Statistics	3	Gen Ed Mathematics	MAT 187 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 201 or 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 & Tech	3	Major	CIS 120
MATH 115	Trigonometry & Analytic Geometry	3	Major	
CS 122	IT Infrastructure	4	Major	
CS 130	Foundations of Information Systems	3	Major	
CS 140	Introduction to Programing	4	Major	CIS 123
CS 205	Computer Architecture	4	Major	
CS 212	Operating Systems	4	Major	CIS 121/150/213
CS 332	Database & Information Mgmt	3	Major	
CS 342	Human Computer Interaction	3	Major	
CS 400	Project Management and Integration	4	Major	
IT 310	Networking	(4)	Major	CIS 130/152/153
IT 320	Web Systems and System Integration	4	Major	
IT 410	Information and System Security	3	Major	
MATH 206	Rat'l Problem Solving w/ Real Num	3	Major	
MATH 220	Elementary Statistics	3 *	Major	
	<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>upper division electives</i>		8-11	Baccalaureate degree	

Minimum credits to be taken at UIU 53-56**

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

CIS 215 & 220

* 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

last updated 08-03-2015

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.