As of Fall 2016

CIS/Security, Software & Networking

Computer Information Systems

Associate in Applied Science

Advisor: Dr. Carol Buse Email: acbuse@actx.edu

The CIS curriculum provides several program concentrations that prepare an individual for today's business computer industry opportunities. This program prepares an individual for entry-level position in the area of Software, Security and Networking.

MAJOR CODE:COSC.AAS (Security, Software, and Networking)

COURSE NUMBERS	COURSE NAMES	HOURS		
GENERAL EDUCATION REQUIREMENTS			**15**	
Communication – 3 Hours				
ENGL 1301:	Composition I	3		
Social/Behavioral Sciences – 3 Hours				
BCIS 1305:	Business Computer Applications	3		
Institutional Requirement – 3 Hours				
Speech*		3		
Language, Philosophy & Culture/Creative Arts – 3 Hours				
Language, Philosophy and Culture** or Creative Arts***		3		
Mathematics/Natural Sciences – 3 Hours				
MATH 1324:	Mathematics for Business Decisions I	3		
or				
MATH 1314	College Algebra	3		
MAJOR COURSE REQUIREMENTS			**30**	
ITSC 2335:	Application Software Problem Solving	3		
COSC 1315:	Introduction to Computer Programming	3		
COSC 1320:	C Programming	3		
CPMT 1351:	IT Essentials: PC Hardware and Software	3		
INEW 2334:	Advanced Web Programming	3		
ITSC 1307:	Unix Operating System I	3		
ITSE 1311:	Beginning Web Page Programming	3		
ITSE 2309:	Database Programming	3		
ITSE 2347:	Advanced Database Programming	3		
ITSY 1342:	Information Technology Security	3		
MAJOR ELECTIVE REQUIREMENTS			**3**	
CIS Elective:	CIS Elective (Choose ITSE 2303 for Web Dev Cert)	3		
MAJOR OPTIONS			**12**	
CPMT 2349:	Advanced Computer Networking Technology	3		
ITCC 1301:	Cisco Exploration 1 – Network Fundamentals	3		
ITCC 1304:	Cisco Exploration 2 – Routing Protocol and Concepts	3		
ITSY 2300:	Operating System Security	3		
	TOTAL HOURS		**60**	

*Speech credit must come from Amarillo College approved list found at:
http://catalog.actx.edu/preview_program.php?catoid=13&poid=2446

** Language, Philosophy & Culture credit must come from Amarillo College approved list found at:
http://catalog.actx.edu/preview_program.php?catoid=13&poid=2254

*** Creative Arts credit must come from Amarillo College approved list found at:
http://catalog.actx.edu/preview_program.php?catoid=13&poid=2245