

Computer Science Technology Associate in Applied Science Degree

Students pursuing the degree should choose from one of the two concentration areas listed.

Area I	Written Composition	3	
ENG	ENG 101.....	3	_____
Area II.....	Humanities and Fine Arts	6	_____
HUM/FA	ART, FRN, MUS, PHL, REL, SPH, SPA, THR	6	_____
Area III.....	Natural Science and Mathematics	9-10	
MTH 116 or higher level.....	MTH 100, 110, 112, 113, 116, 125.....	3	_____
CIS 146	Microcomputer Applications	3	_____
Elective.....	MTH 131, MTH 100, BIO, CHM, AST, GEO 101, PHS, PHY.....	3-4	_____
Area IV	History, Social, and Behavioral Sciences.....	3	
SOC SCI	ANT, ECO, GEO 100, HIS, POL, PSY, SOC.....	3	_____
Area V.....	Pre-Professional, Major, and Elective Courses	33	
WKO 106	Workplace Skills Development.....	3	_____
CIS 117	Database Management Software Applications	3	_____
CIS 130	Introduction to Information Systems.....	3	_____
CIS 161	Introduction to Networking.....	3	_____
CIS 171.....	Linux I or CIS Internship	3	_____
CIS 207 or 284.....	Introduction to Web Development or CIS Internship	3	_____
CIS 212 or 284.....	Visual BASIC Programming or CIS Internship.....	3	_____
CIS 251 or 284.....	C++ Programming or CIS Internship	3	_____
CIS 268 or 284.....	Software Support or CIS Internship.....	3	_____
CIS 269 or 284.....	Hardware Support or CIS Internship	3	_____
CIS 284 or 294.....	Special Topics or CIS Internship.....	3	_____

Cyber Security	15	
CIS 214Security Analysis (Pen Testing).....	3	_____
CIS 245Cyber Defense	3	_____
CIS 246Ethical Hacking.....	3	_____
CIS 280Network Security.....	3	_____
CIS 282Computer Forensic	3	_____

OR

IT Administration Option	15	
CIS 162Advanced Networking	3	_____
CIS 260Network Security and Risk Management	3	_____
CIS 267Enterprise Virtualization.....	3	_____
CIS 277Network Services Administration	3	_____
CIS 287SQL Server.....	3	_____

TOTAL HOURS REQUIRED FOR DEGREE.....69-70