

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

OR

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

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