2018 - 2019
Information Technology and Security
Concentration in Information Assurance (Online)
Bachelor of Science Degree

Fall Year 1	Courses	Credit Hours	
CIS 1110	Computer Operating Systems and Maintenance I and II	3	
CIS 1110L	Computer Operating Systems and Maintenance I and II Lab	0	
CS 1110	Introduction to Programming	3	
ENG 1010	College Composition I	3	15
MTH 1110	College Algebra I	3	
NET 1010	Networking Essentials	3	
NET 1010L	Networking Essentials Lab	0	

Spring Year 1	Courses	Credit Hours	
CIS 2210	Database Management and Design	3	
CIS 1010	Introduction to Computer Applications	3	
ENG 1020	College Composition II	3	
ITS 1110	Introduction to Information Systems	3	15
MTH 1120	College Algebra II	3	

Fall Year 2	Courses	Credit Hours	
ITS 2110	Introduction to Network Security	3	
ITS 2110L	Introduction to Network Security Lab	0	
MNP 2010	Microsoft Windows Configuration	3	
MTH 1410	Introduction to Discrete Mathematics	3	15
NET 2210	Routers and Routing	3	
NET 2210L	Routers and Routing Lab	0	
Choose 1 course from the following:			
PSY 1010	Human Relations	3	
PSY 1110	General Psychology	3	

Spring Year 2	Courses	Credit Hours	
ITS 2210	VPN Firewall	3	
ITS 2210L	VPN Firewall Lab	0	
ITS 2310	Linux I	3	
ITS 2310L	Linux I Lab	0	15
NET 2110	Wireless Networking	3	
SPK 2010	Oral Communications	3	
WRKIT 2010	Work Experience	3	

Fall Year 3	Courses	Credit Hours	
CIS 2610	Visual BASIC	3	
ITS 3050	Security Policies and Auditing	3	
ITS 3050L	Security Policies and Auditing Lab	0	
ITS 3410	Scripting for Network Administrators	3	15
ITS 3410L	Scripting for Network Administrators Lab	0	
MTH 2750	Statistical Methods	3	
SCI	Science Elective	3	

Spring Year 3	Courses	Credit Hours	
ITS 3150	Information Systems Threat Assessment	3	
ITS 3150L	Information Systems Threat Assessment Lab	0	
ITS 3250	Securing Systems	3	
ITS 3250L	Securing Systems Lab	0	15
ITS 3310	Designing for Security	3	
ITS 3310L	Designing for Security Lab	0	
ITS 4150	Firewall Concepts	3	
ITS 4250	Computer Forensics and Investigation	3	
ITS 4250L	Computer Forensics and Investigation Lab	0	

Fall Year 4	Courses	Credit Hours	
ITS 4050	Internet and Web Security	3	
ITS 4050L	Internet and Web Security Lab	0	
ITS 4210	Access Control Authentication and PKI	3	
ITS 4210L	Access Control Authentication and PKI Lab	0	15
ITS 4450	Fraud Risk Assessment Tools and Investigation	3	
ITS 4450L	Fraud Risk Assessment Tools and Investigation Lab	0	
PPM 3010	Project Management	3	
SOC 3210	Cultural Diversity	3	

Spring Year 4	Courses	Credit Hours	
ITS 3210	Legal And Ethical Issues in Information Technology	3	
ITS 4350	Disaster Recovery	3	
ITS 4350L	Disaster Recovery Lab	0	15
ITS 4550	Fraud Prevention and Deterrence	3	
ITS 4550L	Fraud Prevention and Deterrence Lab	0	
ITS 4910	Information Trends/Research and Design Project	3	
WRKIT 4010	Work Experience	3	
Program Total			**120**