



2019 - 2020
Information Technology and Security
Information Assurance (Online)
Bachelor of Science Degree

Fall Year 1		Courses	Credit Hours	
CIS 1110	Computer Operating Systems and Maintenance I and II		3	15
CS 1110	Introduction to Programming		3	
ENG 1010	College Composition I		3	
MTH 1110	College Algebra I		3	
NET 1010	Networking Essentials		3	
Spring Year 1		Courses	Credit Hours	
CIS 2210	Database Management and Design		3	15
CIS 1010	Introduction to Computer Applications		3	
ENG 1020	College Composition II		3	
ITS 1110	Introduction to Information Systems Security		3	
MTH 1120	College Algebra II		3	
Fall Year 2		Courses	Credit Hours	
ITS 2110	Introduction to Network Security		3	15
MNP 2010	Microsoft Windows Configuration		3	
MTH 1410	Introduction to Discrete Mathematics		3	
NET 2210	Routers and Routing		3	
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	15
ITS 2310	Linux I		3	
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	15
ITS 3050	Security Policies and Auditing		3	
ITS 3410	Scripting for Network Administrators		3	
MTH 2750	Statistical Methods		3	
ELECTIVE	Science Elective		3	
Spring Year 3		Courses	Credit Hours	
ITS 3150	Information Systems Threat Assessment		3	15
ITS 3250	Securing Systems		3	
ITS 3310	Designing for Security		3	
ITS 4150	Firewall Concepts		3	
ITS 4250	Computer Forensics and Investigation		3	
Fall Year 4		Courses	Credit Hours	
ITS 4050	Internet and Web Security		3	15
ITS 4210	Access Control Authentication and PKI		3	
ITS 4450	Fraud Risk Assessment Tools and Investigation		3	
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	15
ITS 4350	Disaster Recovery		3	
ITS 4550	Fraud Prevention and Deterrence		3	
ITS 4910	Information Trends/Research and Design Project		3	
WRKIT 4010	Work Experience		3	
Program Total				120