



2018 - 2019
Information Technology and Security
Concentration in Information Assurance and Cyber Security
Bachelor of Science Degree

Fall Year 1		Courses	Credit Hours	
CIS 1110		Computer Operating Systems and Maintenance I and II	3	15
CIS 1110L		Computer Operating Systems and Maintenance I and II Lab	0	
ENG 1010		College Composition I	3	
ITS 2310		Linux I	3	
ITS 2310L		Linux I Lab	0	
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 (16 weeks)		Database Management And Design	3	15
ENG 1020 (16 weeks)		College Composition II	3	
ITS 2320 (16 weeks)		Linux II	3	
ITS 2320L (16 weeks)		Linux II Lab	0	
MNP 2110 (1 st 8 weeks)		Microsoft Client	3	
MNP 2110L (1 st 8 weeks)		Microsoft Client Lab	0	
MNP 2150 (2 nd 8 weeks)		Microsoft Server	3	
MNP 2150L (2 nd 8 weeks)		Microsoft Server Lab	0	
Fall Year 2		Courses	Credit Hours	
ITS 2110 (16 weeks)		Introduction to Network Security	3	15
ITS 2110L (16 weeks)		Introduction to Network Security Lab	0	
NET 2310 (16 weeks)		Virtual Environment: Install, Configure, and Manage	3	
NET 2310L (16 weeks)		Virtual Environment: Install, Configure, and Manage Lab	0	
Choose 1 course from the following:				
PSY 1010 (16 weeks)		Human Relations	3	
PSY 1110 (16 weeks)		General Psychology	3	
Choose 1 track from the following 2 tracks:				
Track 1				
CSC 2010 (1 st 8 weeks)		CISCO CCENT Networking I	3	
CSC 2010L (1 st 8 weeks)		CISCO CCENT Networking I Lab	0	
CSC 2020 (2 nd 8 weeks)		CISCO CCENT Networking II	3	
CSC 2020L (2 nd 8 weeks)		CISCO CCENT Networking II Lab	0	
Track 2				
NET 2210 (1 st 8 weeks)		Routers and Routing	3	

NET 2210L (1 st 8 weeks)	Routers and Routing Lab	0	
NET 2250 (2 nd 8 weeks)	Advanced Routers and Routing	3	
NET 2250L (2 nd 8 weeks)	Advanced Routers and Routing Lab	0	
Spring Year 2			
Courses		Credit Hours	
ITS 2210	VPN Firewall	3	15
ITS 2210L	VPN Firewall Lab	0	
SPK 2010	Oral Communication	3	
WRKIT 2010	Work Experience	3	
Choose 1 track from the following 2 tracks (Prerequisites apply):			
Track 1			
CSC 2110 (1 st 8 weeks)	CISCO CCNA Networking I	3	
CSC 2110L (1 st 8 weeks)	CISCO CCNA Networking I Lab	0	
CSC 2120 (2 nd 8 weeks)	CISCO CCNA Networking II	3	
CSC 2120L (2 nd 8 weeks)	CISCO CCNA Networking II Lab	0	
Track 2			
MNP 2210 (1 st 8 weeks)	Server Administration I	3	
MNP 2210L (1 st 8 weeks)	Server Administration I Lab	0	
MNP 2220 (2 nd 8 weeks)	Server Administration II	3	
MNP 2220 (2 nd 8 weeks)	Server Administration II Lab	0	
Fall Year 3			
Courses		Credit Hours	
CS 1110	Introduction to Programming	3	15
ITS 3050	Security Policies and Auditing	3	
ITS 3050L	Security Policies and Auditing Lab	0	
ITS 3410	Scripting for Network Administrators	3	
ITS 3410L	Scripting for Network Administrators Lab	0	
ITS 4450	Fraud Risk Assessment Tools and Investigation	3	
ITS 4450L	Fraud Risk Assessment Tools and Investigation Lab	0	
MTH 2750	Statistical Methods	3	
Spring Year 3			
Courses		Credit Hours	
ITS 2330	Linux III	3	15
ITS 2330L	Linux III Lab	0	
ITS 3150	Information Systems Threat Assessment	3	
ITS 3150L	Information Systems Threat Assessment Lab	0	
ITS 3310	Designing for Security	3	
ITS 3310L	Designing for Security Lab	0	
ITS 4550	Fraud Prevention and Deterrence	3	
ITS 4550L	Fraud Prevention and Deterrence Lab	0	
WRI 3010	Report Writing	3	

Fall Year 4		Courses	Credit Hours	
ITS 3250	Securing Systems		3	15
ITS 3250L	Securing Systems Lab		0	
ITS 4210	Access Control Authentication and PKI		3	
ITS 4210L	Access Control Authentication and PKI Lab		0	
ITS 4350	Disaster Recovery		3	
ITS 4350L	Disaster Recovery Lab		0	
SCI	Science Elective		3	
SOC 3210	Cultural Diversity		3	
Spring Year 4		Courses	Credit Hours	
ITS 3210	Legal And Ethical Issues in Information Technology		3	15
ITS 4050	Internet and Web Security		3	
ITS 4050L	Internet and Web Security Lab		0	
ITS 4250	Computer Forensics and Investigation		3	
ITS 4250L	Computer Forensics and Investigation Lab		0	
ITS 4910	Information Trends/Research and Design Project		3	
WRKIT 4010	Work Experience		3	
Program Total				120