



**2017 - 2018**  
**Information and Technology**  
**Concentration in Information Assurance**  
**and Cyber Security**  
**Bachelor of Science Degree**

Fall Year 1		Courses	Credit Hours	
CIS 1110	Computer Operating Systems	3	<b>15</b>	
CIS 1110L	Computer Operating Systems 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	<b>15</b>	
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 <sup>st</sup> 8 weeks)	Microsoft Client	3		
MNP 2110L (1 <sup>st</sup> 8 weeks)	Microsoft Client Lab	0		
MNP 2150 (2 <sup>nd</sup> 8 weeks)	Microsoft Server	3		
MNP 2150L (2 <sup>nd</sup> 8 weeks)	Microsoft Server Lab	0		
Fall Year 2		Courses	Credit Hours	
ITS 2110 (16 weeks)	Introduction to Network Security	3	<b>15</b>	
ITS 2110L (16 weeks)	Introduction to Network Security Lab	0		
NET 2310 (16 weeks)	Virtual Environment: Installation, Configuration, and Management	3		
NET 2310L (16 weeks)	Virtual Environment: Installation, Configuration, and Management Lab	0		
<b>Choose 1 Course from the Following:</b>				
PSY 1010 (16 weeks)	Human Relations	3		
PSY 1110 (16 weeks)	General Psychology	3		

<b>Choose 1 track from the following 2 tracks:</b>			
<b>Track 1</b>			
CSC 2010 (1 <sup>st</sup> 8 weeks)	CISCO CCENT Networking I	3	
CSC 2010L (1 <sup>st</sup> 8 weeks)	CISCO CCENT Networking I Lab	0	
CSC 2020 (2 <sup>nd</sup> 8 weeks)	CISCO CCENT Networking II	3	
CSC 2020L (2 <sup>nd</sup> 8 weeks)	CISCO CCENT Networking II Lab	0	
<b>Track 2</b>			
NET 2210 (1 <sup>st</sup> 8 weeks)	Routers and Routing	3	
NET 2210L (1 <sup>st</sup> 8 weeks)	Routers and Routing Lab	0	
NET 2250 (2 <sup>nd</sup> 8 weeks)	Advanced Routers and Routing	3	
NET 2250L (2 <sup>nd</sup> 8 weeks)	Advanced Routers and Routing Lab	0	
<b>Spring Year 2</b>		<b>Courses</b>	<b>Credit Hours</b>
ITS 2210	VPN Firewall	3	<b>15</b>
SPK 2010	Oral Communications	3	
WRKIT 2010	Work Experience	3	
<b>Choose 1 track from the following 2 tracks (Prerequisites apply):</b>			
<b>Track 1</b>			
CSC 2110 (1 <sup>st</sup> 8 weeks)	CISCO CCNA Networking I	3	
CSC 2110L (1 <sup>st</sup> 8 weeks)	CISCO CCNA Networking I Lab	0	
CSC 2120 (2 <sup>nd</sup> 8 weeks)	CISCO CCNA Networking II	3	
CSC 2120L (2 <sup>nd</sup> 8 weeks)	CISCO CCNA Networking II Lab	0	
<b>Track 2</b>			
MNP 2210 (1 <sup>st</sup> 8 weeks)	Server Administration I	3	
MNP 2210L (1 <sup>st</sup> 8 weeks)	Server Administration I Lab	0	
MNP 2220 (2 <sup>nd</sup> 8 weeks)	Server Administration II	3	
MNP 2220L (2 <sup>nd</sup> 8 weeks)	Server Administration II Lab	0	
<b>Fall Year 3</b>		<b>Courses</b>	<b>Credit Hours</b>
CS 1110	Introduction to Programming	3	<b>15</b>
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	
<b>Program Total</b>				<b>120</b>