



**2020 - 2021**  
**Information Technology and Security**  
**Information Assurance and Cyber Security**  
**Bachelor of Science Degree**  
**Academic Plan**

<b>Fall Year 1</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
CIS 1110A	Computer Operating Systems and Maintenance			3	<b>15</b>
COM 1010	Composition and Critical Thinking I			3	
CS 1110	Introduction to Programming	Co-requisite(s): MTH 1010		3	
MTH 1010	Quantitative Literacy			3	
NET 1010	Networking Essentials	Co-requisite(s): CIS: 1110A		3	
<b>Spring Year 1</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
COM 1020	Composition and Critical Thinking II	COM 1010, MTH 1010		3	<b>15</b>
MTH 1110	College Algebra I			3	
ITS 2110	Introduction to Network Security	NET 1010		3	
ITS 2310	LINUX I			3	
PSY 2050	Self and Society	COM 1010, MTH 1010; Co-requisite: COM 1020		3	
<b>Fall Year 2</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
CSC 2010A	CISCO Networking I	NET 1010		3	<b>15</b>
CSC 2020A	CISCO Networking II	CSC 2010A		3	
ITS 2320	LINUX II	ITS 2310		3	
MNP 2050	Server I	NET 1010		3	
MNP 2060	Server II	MNP 2050		3	
<b>Spring Year 2</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
CSC 2030	CISCO Networking III	CSC 2020A		3	<b>15</b>
ITS 2330	LINUX III	ITS 2320		3	
MNP 2070	Server III	MNP 2060		3	
MTH 1120	College Algebra II	MTH 1110		3	
NET 2310	Virtual Environment: Installation, Configuration and Management	NET 1010		3	

<b>Fall Year 3</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
ITS 2210	VPN Firewall		ITS 2110	3	<b>15</b>
ITS 3050	Security Policies and Auditing		ITS 2110	3	
ITS 3410A	Powershell Programming		CS 1110	3	
ITS 4350	Disaster Recovery		Co-requisite(s): ITS 3050	3	
SOC 3050	Personal, Civic, and Global Perspectives		COM 1010, MTH 1010, PSY 2050	3	
<b>Spring Year 3</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
CS 1650	Python Programming		EGR 2710 or CS 1110	3	<b>15</b>
ELECTIVE	General Education Elective			3	
HUM 3910	Integrated Seminar		COM 1010, MTH 1010, PSY 2050, SOC 3050	3	
ITS 3510	Ethical Hacking I		ITS 2310, ITS 3050	3	
ITS 3250	Securing Systems		ITS 3050	3	
<b>Fall Year 4</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
ELECTIVE	Scientific Inquiry Elective			3	<b>15</b>
ITS 3210	Legal and Ethical Issues in Information Technology		CIS 1110A, NET 1010	3	
ITS 4050	Internet and Web Security		ITS 3250	3	
ITS 4110	Network Defense		ITS 3250	3	
ITS 3520	Ethical Hacking II		ITS 3510	3	
<b>Spring Year 4</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
ITS 4010	Malware and Reverse Engineering		ITS 3510	3	<b>15</b>
ITS 4250	Computer Forensics and Investigation		ITS 3050	3	
ITS 4310	Network Intrusion		ITS 4110	3	
ITS 4910A	Senior Project		HUM 3910, ITS 4350, ITS 4110	3	
WRKIT 4010	Work Experience		Senior status	3	
<b>Program Total</b>				<b>120</b>	