



## Information Technology and Cybersecurity Bachelor of Science Degree Academic Plan

Fall Year 1		Courses	Prerequisite(s)	Credits	
CIS 1110A	Computer Operating Systems and Maintenance	CIS 1110A	3	<b>15</b>	
COM 1010	Composition and Critical Thinking I	COM 1010	3		
CS 1110A	Programming in Python	CS 1110A	3		
MTH 1010	Quantitative Literacy	MTH 1010	3		
NET 1010	Networking Essentials	NET 1010	3		
Spring Year 1		Courses	Prerequisite(s)	Credits	
COM 1020	Composition and Critical Thinking II	COM 1010, MTH 1010	3	<b>15</b>	
ITS 2110A	Introduction to Information Security		3		
ELECTIVE	Open Elective	As needed per choice	3		
MTH 1120	College Algebra II	MTH 1110	3		
PSY 2050	Self and Society	COM 1010, MTH 1010; Corequisite: COM 1020	3		
Fall Year 2		Courses	Prerequisite(s)	Credits	
CSC 2010A	CISCO Networking I	NET 1010	3	<b>15</b>	
CSC 2020A	CISCO Networking II	CSC 2010A	3		
ITS 2310	LINUX I		3		
ITS 3050	Security Policies and Auditing	ITS 2110	3		
ITS 3410A	Powershell Programming	CS 1110A	3		
Spring Year 2		Courses	Prerequisite(s)	Credits	
ELECTIVE	General Education Elective	As needed per choice	3	<b>15</b>	
ITS 2320	LINUX II	ITS 2310	3		
MNP 2050	Server I	NET 1010	3		
MNP 2060	Server II	MNP 2050	3		
NET 2310	Virtual Environment: Installation, Configuration and Management	NET 1010	3		
Fall Year 3		Courses	Prerequisite(s)	Credits	
ELECTIVE	General Education Elective	As needed per choice	3	<b>15</b>	
ELECTIVE	Open Elective	As needed per choice	3		
ITS 3510	Ethical Hacking I	ITS 3050 or ITS 3210	3		
PPM 3010	Project Management		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>Credits</b>	
ITS 3210	Legal and Ethical Issues in Information Technology	Junior status	3	<b>15</b>	
HUM 3910	Integrated Seminar	COM 1010, MTH 1010, PSY 2050, SOC 3050	3		
ITS 3250A	Hardening Systems	NET 1010 and CIS 1110A	3		
ITS 3520	Ethical Hacking II	ITS 3510	3		
ITS 4350A	Incident Response and Disaster Recovery	ITS 3050 or ITS 3510	3		
<b>Fall Year 4</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</b>	
ELECTIVE	Scientific Inquiry Elective	As needed per choice	3	<b>15</b>	
ELECTIVE	Open Elective	As needed per choice	3		
ITS 4050	Internet and Web Security	ITS 3250A	3		
ITS 4250	Computer Forensics and Investigation	ITS 3050	3		
ITS 4410	Network Defense and Intrusion	ITS 3250A	3		
<b>Spring Year 4</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</b>	
CS 4810	Trends in Computer Science	Senior status	3	<b>15</b>	
ELECTIVE	Open Elective	As needed per choice	3		
ELECTIVE	Open Elective	As needed per choice	3		
ITS 4910A	Senior Project	ITS Major and Senior status	3		
WRK 4850	CoIT Work Experience	Senior status	3		
<b>Program Total</b>				<b>120</b>	

### **Open Electives:**

Open Electives may be from any prefix. Prerequisites need to be fulfilled for any elective courses.