



**2023 – 2024**  
**Information Technology and Cybersecurity**  
**Bachelor of Science Degree**  
**Academic Plan**

<b>Fall Year 1</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</b>	
CIS 1110A	Computer Operating Systems and Maintenance			3	<b>15</b>
COM 1010	Composition and Critical Thinking I			3	
CS 1110A	Programming in Python	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>Credits</b>	
COM 1020	Composition and Critical Thinking II	COM 1010, MTH 1010		3	<b>15</b>
ITS 2110	Introduction to Network Security	NET 1010		3	
ITS 3210	Legal and Ethical Issues in Information Technology	CIS 1110A or NET 1010		3	
MTH 1120	College Algebra II	MTH 1110		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>Credits</b>	
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	
<b>Spring Year 2</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</b>	
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	
<b>Fall Year 3</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</b>	
ELECTIVE	General Education Elective	As needed per choice		3	<b>15</b>
ELECTIVE	Program Elective	As needed per choice		3	
ITS 3510	Ethical Hacking I	ITS 3050		3	
PPM 3010	Project Management	COM 1020		3	
SOC 3050	Personal, Civic, and Global Perspectives	COM 1010, MTH 1010, PSY 2050		3	

Spring Year 3		Courses	Prerequisite(s)	Credits	
ELECTIVE	Program Elective		As needed per choice	3	15
HUM 3910	Integrated Seminar		COM 1010, MTH 1010, PSY 2050, SOC 3050	3	
ITS 3250A	Hardening Systems		NET 1010	3	
ITS 3520	Ethical Hacking II		ITS 3510	3	
ITS 4350A	Incident Response and Disaster Recovery		ITS 3050	3	
Fall Year 4		Courses	Prerequisite(s)	Credits	
ELECTIVE	Scientific Inquiry Elective		As needed per choice	3	15
ELECTIVE	Program 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	
Spring Year 4		Courses	Prerequisite(s)	Credits	
CS 4810	Trends in Computer Science		CS 1110A, NET 1010	3	15
ELECTIVE	Program Elective		As needed per choice	3	
ELECTIVE	Program Elective		As needed per choice	3	
ITS 4910A	Senior Project		ITS 3210, ITS 3520, ITS 4050, ITS 4410, ITS 4350A	3	
WRK 4850	CoIT Work Experience		Senior status	3	
<b>Program Total</b>					<b>120</b>

**Program Electives:**

Select any 5 courses, with any of the following prefixes, to fulfill 15 Program Electives hours: CIS, CS, CSC, GSD, ITS, MNP, NET, PPM, WEB. Prerequisites need to be fulfilled for any elective courses.