



2022 - 2023
Information Technology and Cybersecurity
Bachelor of Science Degree
Academic Plan

Fall Year 1		Courses	Prerequisite(s)	Credit Hours	
CIS 1110A	Computer Operating Systems and Maintenance			3	15
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	
Spring Year 1		Courses	Prerequisite(s)	Credit Hours	
COM 1020	Composition and Critical Thinking II	COM 1010, MTH 1010		3	15
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	
Fall Year 2		Courses	Prerequisite(s)	Credit Hours	
CSC 2010A	CISCO Networking I	NET 1010		3	15
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)	Credit Hours	
ELECTIVE	General Education Elective	As needed per choice		3	15
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)	Credit Hours	
ELECTIVE	General Education Elective		As needed per choice	3	15
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)	Credit Hours	
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 4350	Disaster Recovery		ITS 3050	3	
Fall Year 4		Courses	Prerequisite(s)	Credit Hours	
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)	Credit Hours	
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 4350	3	
WRK 4850	CoIT Work Experience		Senior status	3	
Program Total				120	

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.