



2024 – 2025
Information Technology and Cybersecurity
Bachelor of Science Degree
Academic Plan

Fall Year 1		Courses	Prerequisite(s)	Credits	
CIS 1110A	Computer Operating Systems and Maintenance			3	15
COM 1010	Composition and Critical Thinking I			3	
CS 1110A	Programming in Python			3	
MTH 1010	Quantitative Literacy			3	
NET 1010	Networking Essentials			3	
Spring Year 1		Courses	Prerequisite(s)	Credits	
COM 1020	Composition and Critical Thinking II	COM 1010, MTH 1010		3	15
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	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)	Credits	
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)	Credits	
ELECTIVE	General Education Elective	As needed per choice		3	15
ELECTIVE	Open Elective	As needed per choice		3	
ITS 3510	Ethical Hacking I	ITS 3050 or ITS 3210		3	

PPM 3010	Project Management		3	15
SOC 3050	Personal, Civic, and Global Perspectives	COM 1010, MTH 1010, PSY 2050	3	

Spring Year 3	Courses	Prerequisite(s)	Credits	
ITS 3210	Legal and Ethical Issues in Information Technology	Junior status	3	15
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	
Fall Year 4	Courses	Prerequisite(s)	Credits	
ELECTIVE	Scientific Inquiry Elective	As needed per choice	3	15
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	
Spring Year 4	Courses	Prerequisite(s)	Credits	
CS 4810	Trends in Computer Science	Senior status	3	15
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	
Program Total				120

Open Elective

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