2021 - 2022
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	
COM 1010	Composition and Critical Thinking I		3	
CS 1110	Introduction to Programming	Co-requisite(s): MTH 1010	3	**15**
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	
ITS 2110	Introduction to Network Security	NET 1010	3	
ITS 2310	LINUX I		3	**15**
MTH 1110	College Algebra I		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	
CSC 2020A	CISCO Networking II	CSC 2010A	3	
ITS 2320	LINUX II	ITS 2310	3	**15**
MNP 2050	Server I	NET 1010	3	
MNP 2060	Server II	MNP 2050	3	
Spring Year 2	**Courses**	**Prerequisite(s)**	**Credit Hours**	
CSC 2030	CISCO Networking III	CSC 2020A	3	
ITS 2330	LINUX III	ITS 2320	3	
MNP 2070	Server III	MNP 2060	3	**15**
MTH 1120	College Algebra II	MTH 1110	3	
NET 2310	Virtual Environment: Installation, Configuration and Management	NET 1010	3	

Fall Year 3	Courses	Prerequisite(s)	Credit Hours	
ITS 2210	VPN Firewall	ITS 2110	3	
ITS 3050	Security Policies and Auditing	ITS 2110	3	
ITS 3410A	Powershell Programming	CS 1110	3	**15**
ITS 4350	Disaster Recovery	Co-requisite(s): ITS 3050	3	
SOC 3050	Personal, Civic, and Global Perspectives	COM 1010, MTH 1010, PSY 2050	3	
Spring Year 3	**Courses**	**Prerequisite(s)**	**Credit Hours**	
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	**15**
ITS 3250	Securing Systems	ITS 3050	3	
PPM 3010	Project Management	COM 1020	3	
Fall Year 4	**Courses**	**Prerequisite(s)**	**Credit Hours**	
ELECTIVE	Scientific Inquiry Elective		3	
ITS 3210	Legal and Ethical Issues in Information Technology	CIS 1110A or NET 1010	3	
ITS 3520	Ethical Hacking II	ITS 3510	3	**15**
ITS 4050	Internet and Web Security	ITS 3250	3	
ITS 4110	Network Defense	ITS 3250	3	
Spring Year 4	**Courses**	**Prerequisite(s)**	**Credit Hours**	
ITS 4010	Malware and Reverse Engineering	ITS 3510	3	
ITS 4250	Computer Forensics and Investigation	ITS 3050	3	
ITS 4310	Network Intrusion	ITS 4110	3	**15**
ITS 4910A	Senior Project	HUM 3910, ITS 4350, ITS 4110	3	
WRKIT 4010	Work Experience	Senior status	3	
Program Total			**120**	