2021 - 2022
Information Systems
Concentration in Information Assurance
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	
CIS 2210	Database Management And Design	CIS 1110 or CIS 1110A	3	
COM 1020	Composition and Critical Thinking II	COM 1010, MTH 1010	3	
ITS 2110	Introduction to Network Security	NET 1010	3	**15**
ITS 2310	LINUX I		3	
MTH 1110	College Algebra I		3	

Fall Year 2	Courses	Prerequisite(s)	Credit Hours	
ELECTIVE	General Education Elective	As needed per choice	3	
ELECTIVE	Program Elective	As needed per choice	3	
MGT 1010	Introduction to Business		3	**15**
MTH 2750	Statistical Methods	MTH 1010 or MTH 1110	3	
PSY 2050	Self and Society	COM 1010, MTH 1010; Co-requisite(s): COM 1020	3	

Spring Year 2	Courses	Prerequisite(s)	Credit Hours	
BUS 3050	Business Analytics	COM 1010, MGT 1010, MTH 2750	3	
CIS 3510	Systems Modeling and Design	CIS 2210	3	
ELECTIVE	General Education Elective	As needed per choice	3	**15**
MGT 2020	Organizational Behavior and Management	COM 1020, MGT 1010	3	
PPM 3010	Project Management	COM 1020	3	

Fall Year 3	Courses	Prerequisite(s)	Credit Hours	
CIS 4210	Database Administration I	CIS 2210	3	
ELECTIVE	Program Elective	As needed per choice	3	**15**
ITS 3050	Security Policies and Auditing	ITS 2110	3	
MGT 2310	Management Information Systems	COM 1020, MGT 1010	3	
SOC 3050	Personal, Civic, and Global Perspectives	COM 1010, MTH 1010, PSY 2050	3	

Spring Year 3	Courses	Prerequisite(s)	Credit Hours	
CIS 4310	Enterprise Architecture	CIS 3510	3	
ELECTIVE	Program Elective	As needed per choice	3	
HUM 3910	Integrated Seminar	COM 1010, MTH 1010, PSY 2050, SOC 3050	3	**15**
ITS 3250	Securing Systems	ITS 3050	3	
ITS 3510	Ethical Hacking I	ITS 2310, ITS 3050	3	

Fall Year 4	Courses	Prerequisite(s)	Credit Hours	
ELECTIVE	Program Elective	As needed per choice	3	
ELECTIVE	Program Elective	As needed per choice	3	
ITS 2210	VPN Firewall	NET 1010	3	**15**
ITS 3210	Legal and Ethical Issues in Information Technology	CIS 1110A or NET 1010	3	
ITS 4050	Internet and Web Security	ITS 3250	3	

Spring Year 4	Courses	Prerequisite(s)	Credit Hours	
CIS 4950	Special Topics In Information Systems	HUM 3910, Senior status	3	
CIS 4990A	Senior Project	CIS 4310	3	
ELECTIVE	Scientific Inquiry Elective		3	**15**
ITS 4350	Disaster Recovery	Co-requisite(s): ITS 3050	3	
WRKIT 4010	Work Experience	Senior status	3	

Program Total			120

Suggested Program Electives	Courses	Prerequisite(s)	Credit Hours
CIS 3310	Cloud Computing and Security	CIS 2210	3
CIS 4410	IS Strategy, Management and Acquisition	CIS 4310	3
CS 3950	Big Data Analytics	MTH 2750, CS 1110	3
CS 4410	IoT Devices	NET 1010	3
PPM 3110	Project Planning	PPM 3010	3
ELECTIVE	Any CIS / CS / ITS / PPM / WEB course	As needed per choice	3