



2024 – 2025
Information Systems
Concentration in Information Assurance
Bachelor of Science Degree
Academic Plan

Fall Year 1	Courses	Prerequisite(s)	Credits	
CIS1110A	Computer Operating Systems and Maintenance		3	15
COM1010	Composition and Critical Thinking I		3	
CS1110A	Programming in Python		3	
MTH1010	Quantitative Literacy		3	
NET1010	Networking Essentials		3	
Spring Year 1	Courses	Prerequisite(s)	Credits	
CIS2210	Database Management and Design		3	15
COM1020	Composition and Critical Thinking II	COM1010, MTH1010	3	
ITS2110A	Introduction to Information Security		3	
MGT1010	Introduction to Business		3	
MTH2750	Statistical Methods	MTH1010 or MTH1110	3	
Fall Year 2	Courses	Prerequisite(s)	Credits	
ELECTIVE	General Education Elective	As needed per choice	3	15
ELECTIVE	Open Elective	As needed per choice	3	
CIS3310	Introduction to Cloud Computing and Security	NET1010	3	
ITS3210	Legal and Ethical Issues in Information Technology	Junior Status	3	
PSY2050	Self and Society	COM1010, MTH1010; Co-requisite(s): COM1020	3	
Spring Year 2	Courses	Prerequisite(s)	Credits	
CIS3510	Systems Modeling and Design	CIS2210 and CS1110A OR CS2150 OR CS2410 OR CS3110	3	15
CS3950	Big Data Analytics	MTH2750 and CS1110A or CS2150 or CS2410 or CS3110	3	
ELECTIVE	General Education Elective	As needed per choice	3	
MGT2020	Organizational Behavior and Management	COM1020, MGT1010	3	
PPM3010	Project Management		3	

Fall Year 3		Courses	Prerequisite(s)	Credits	
CIS4210	Database Administration I	CIS2210	3	15	
ELECTIVE	Open Elective	As needed per choice	3		
ITS3050	Security Policies and Auditing	ITS2110A	3		
MGT2310	Management Information Systems	COM1020, MGT1010	3		
SOC3050	Personal, Civic, and Global Perspectives	COM1010, MTH1010, PSY2050	3		
Spring Year 3		Courses	Prerequisite(s)	Credits	
CIS4310	Enterprise Architecture	CIS3510	3	15	
ELECTIVE	Open Elective	As needed per choice	3		
HUM3910	Integrated Seminar	COM1010, MTH1010, PSY2050, SOC3050	3		
ITS3250A	Hardening Systems	NET1010	3		
ELECTIVE	Open Elective	As needed per choice	3		
Fall Year 4		Courses	Prerequisite(s)	Credits	
ITS3510	Ethical Hacking I	ITS3050 or ITS3210	3	15	
ELECTIVE	Open Elective	As needed per choice	3		
CIS2750	Securing Information Systems	NET1010	3		
CIS4410	IS Strategy, Management and Acquisition	CIS4310	3		
ITS4050	Internet and Web Security	ITS3250A	3		
Spring Year 4		Courses	Prerequisite(s)	Credits	
CIS4950	Special Topics in Information Systems		3	15	
CIS4990A	Senior Project	CIS Major, CIS4410, and Senior status	3		
ELECTIVE	Scientific Inquiry Elective		3		
ITS4350A	Incident Response and Disaster Recovery	ITS3050 or ITS3510	3		
WRK4850	CoIT Work Experience	Senior status	3		
Program Total				120	

Open Electives:

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