



2020 - 2021
Information Systems
Concentration in Assurance Specialist
Bachelor of Science Degree
Academic Plan

Fall Year 1		Courses	Prerequisite(s)	Credit Hours
CIS 1110A	Computer Operating Systems And Maintenance			3
CS 1110	Introduction To Programming	Co-requisite(s): MTH 1010		3
COM 1010	Composition and Critical Thinking I			3
MTH 1010	Quantitative Literacy			3
NET 1010	Networking Essentials	Co-requisite(s): CIS 1110A		3
				15
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
CS 1650	Python Programming	EGR 2710 or CS 1110		3
MTH 1110	College Algebra I			3
ITS 2310	LINUX I			3
				15
Fall Year 2		Courses	Prerequisite(s)	Credit Hours
ACC 1010	Principles of Accounting I	MTH 1110		3
CS 2410	Java Programming	CS 1110		3
MGT 1010	Introduction to Business			3
MTH 1120	College Algebra II	MTH 1110		3
PSY 2050	Self and Society	COM 1010, MTH 1010; Co-requisite(s): COM 1020		3
				15
Spring Year 2		Courses	Prerequisite(s)	Credit Hours
CS 2150	C++ Programming	EGR 2710 or CS 1110, MTH 1110		3
ITS 2110	Introduction to Network Security	NET 1010		3
MGT 2020	Organizational Behavior and Management	COM 1020, MGT 1010		3
MTH 2750	Statistical Methods	MTH 1010 or MTH 1110		3
PPM 3010	Project Management	COM 1020		3
				15

Fall Year 3		Courses	Prerequisite(s)	Credit Hours	
BUS 3050	Business Analytics		COM 1010, MGT 1010, MTH 2750	3	15
CIS 3510	Systems Modeling and Design		CIS 2210	3	
CIS 4210	Database Administration I		CIS 2210	3	
ITS 3050	Security Policies and Auditing		ITS 2110	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	15
HUM 3910	Integrated Seminar		COM 1010, MTH 1010, PSY 2050, SOC 3050	3	
ITS 3510	Ethical Hacking I		ITS 2310, ITS 3050	3	
ITS 3250	Securing Systems		ITS 3050	3	
MGT 2310	Management Information Systems		COM 1020, MGT 1010	3	
Fall Year 4		Courses	Prerequisite(s)	Credit Hours	
CIS 4410	IS Strategy, Management and Acquisition		CIS 4310	3	15
CS 4210	Database Programming I		CIS 2210, CS 1110	3	
ITS 2210	VPN Firewall		ITS 2110	3	
ITS 3210	Legal and Ethical Issues in Information Technology		CIS 1110A, 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	15
CIS 4990A	Senior Project		CIS 4410	3	
ELECTIVE	Scientific Inquiry Elective			3	
ITS 4350	Disaster Recovery		Co-requisite(s): ITS 3050	3	
WRKIT 4010	Work Experience		Senior status	3	
Program Total				120	