



2021 - 2022
Information Systems
Concentration in Web Development
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
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	CS 1110 or CIS 1110A		3
COM 1020	Composition and Critical Thinking II	COM 1010, MTH 1010		3
ELECTIVE	General Education Elective			3
MGT 1010	Introduction to Business			3
MTH 1110	College Algebra I			3
				15
Fall Year 2		Courses	Prerequisite(s)	Credit Hours
ELECTIVE	General Education Elective			3
MGT 2020	Organizational Behavior and Management	COM 1020, MGT1010		3
MTH 2750	Statistical Methods	MTH 1010 or MTH 1110		3
PSY 2050	Self and Society	COM 1010, MTH 1010; Co-requisite: COM 1020		3
WEB 1110	Introduction to HTML			3
				15
Spring Year 2		Courses	Prerequisite(s)	Credit Hours
BUS 3050	Business Analytics	COM 1010, MGT 1010, MTH 2750		3
CIS 3510	System Modeling And Design	CIS 2210		3
ELECTIVE	Program Elective	As needed per choice		3
MGT 2310	Management Information Systems	COM 1020, MGT 1010		3
WEB 1210	World Wide Web Design	WEB 1110		3
				15

Fall Year 3		Courses	Prerequisite(s)	Credit Hours
CIS 4210	Database Administration I			3
CS 2410	Java Programming	CS 1110		3
ELECTIVE	Program Elective	As needed per choice		3
SOC 3050	Personal, Civic, and Global Perspectives	COM 1010, MTH 1010, PSY 2050		3
WEB 1310	Web Development I	WEB 1110		3
				15
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
PPM 3010	Project Management	COM 1020		3
WEB 1320	Web Development II	WEB 1310		3
				15
Fall Year 4		Courses	Prerequisite(s)	Credit Hours
CIS 4410	IS Strategy, Management and Acquisition	CIS 4310		3
CIS 4950	Special Topics In Information Systems	HUM 3910, Senior status		3
ELECTIVE	Program Elective	As needed per choice		3
ITS 3210	Legal and Ethical Issues In Information Technology	CIS 1110A or NET 1010		3
WEB 2110	Web Scripting	CIS 1110, WEB 1110		3
				15
Spring Year 4		Courses	Requisite(s)	Credit Hours
CIS 4990A	Senior Project	CIS 4310		3
ELECTIVE	Program Elective	As needed per choice		3
ELECTIVE	Scientific Inquiry Elective			3
WEB 2210	Interactive Web Design	WEB 2110		3
WRKIT 4010	Work Experience	Senior status		3
				15
Program Total				120

Suggested Program Electives	Courses	Prerequisite(s)	Credit Hours
CIS 3310	Cloud Computing and Security	CIS 2210	3
CS 3950	Big Data Analytics	MTH 2750, CS 1110	3
CS 4410	IoT Devices	NET 1010	3
CS 4210	Database Programming I	CIS 2210, CS 1110	3
ITS 2210	VPN Firewall	NET 1010	3
ITS 2310	LINUX I		
PPM 3110	Project Planning	PPM 3010	
ELECTIVE	Any CIS / CS / ITS / PPM / WEB course	As needed per choice	3