2023 – 2024
Information Systems
Concentration in Web Development
Bachelor of Science Degree
Academic Plan

Fall Year 1	Courses	Prerequisite(s)	Credits	
CIS 1110A	Computer Operating Systems and Maintenance		3	
COM 1010	Composition and Critical Thinking I		3	
CS 1110A	Programming in Python	Co-requisite(s): MTH 1110	3	
MTH 1010	Quantitative Literacy		3	
NET 1010	Networking Essentials	Co-requisite(s): CIS 1110A	3	15
Spring Year 1	**Courses**	**Prerequisite(s)**	**Credits**	
CIS 2210	Database Management and Design	CS 1110A or CIS 1110A	3	
COM 1020	Composition and Critical Thinking II	COM 1010, MTH 1010	3	
ELECTIVE	General Education Elective	As needed per choice	3	
MGT 1010	Introduction to Business		3	
MTH 2750	Statistical Methods	MTH 1010 or MTH 1110	3	15
Fall Year 2	**Courses**	**Prerequisite(s)**	**Credits**	
CIS 3310	Introduction to Cloud Computing and Security	CIS 2210, NET 1010	3	
ELECTIVE	General Education Elective	As needed per choice	3	
MGT 2020	Organizational Behavior and Management	COM 1020, MGT1010	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)**	**Credits**	
CIS 3510	System Modeling and Design	CIS 2210	3	
CS 3950	Big Data Analytics	MTH 2750, CS 1110A	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)**	**Credits**	
CIS 4210	Database Administration I	CIS 2210	3	
CS 2410	Java Programming	CS 1110A	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

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Spring Year 3	Courses	Prerequisite(s)	Credits	
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)**	**Credits**	
CIS 4410	IS Strategy, Management and Acquisition	CIS 4310	3	
CIS 4950	Special Topics in Information Systems		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	WEB 1110	3	**15**
Spring Year 4	**Courses**	**Prerequisite(s)**	**Credits**	
CIS 4990A	Senior Project	CIS 4310	3	
ELECTIVE	Program Elective	As needed per choice	3	
ELECTIVE	Scientific Inquiry Elective	As needed per choice	3	
WEB 2210	Interactive Web Design	WEB 2110	3	
WRK 4850	CoIT Work Experience	Senior status	3	**15**
Program Total				**120**

Program Electives:
Select any 5 courses, with any of the following prefixes, to fulfill 15 Program Electives hours: CIS, CS, CSC, GSD, ITS, MNP, NET, PPM, WEB. Prerequisites need to be fulfilled for any elective courses.

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