Computer Information Systems

Computer Information Systems Program Mission

A Computer Information Systems graduate is a professional and technical person who is knowledgeable of many facets of information systems and is able to assimilate information technology theory and skills.

The Computer Information Systems graduate will be able to ...

Student Learning Goals	Student Learning Outcomes
SLG 1: Graduates will be able to plan information systems with internal and external constituents.	SLO 1: Students will be able to lead, communicate, and collaborate in diverse teams.
	SLO 2: Students will be able to use productivity tools to plan information solutions.
SLG 2: Graduates will be able to analyze and evaluate information systems solutions.	SLO 1: Students will analyze the security, ethics, and legal requirements associated with information systems.
	SLO 2: Students will be able to solve complex problems using diverse decision criteria.
	SLO 3: Students will be able to ensure alignment between information systems strategy and organizational strategy.
SLG 3: Graduates will be able to identify and design information systems improvement.	SLO 1: Students will be able to identify comprehensive information systems solutions.
	SLO 2: Students will be able to understand and document information systems.
SLG 4: Graduates will be able to implement and manage information systems solutions.	SLO 1: Students will be able to deploy diverse information systems solutions.
	SLO 2: Students will be able to synthesize current and emerging trends in information systems.

Bachelor of Science with a Major in Computer Information Systems

General Education

General Education Courses		36
CIS Required General Education Courses (10 credits)		
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
DATA 211	Applied Statistics and Data Visualization	
or MATH 210	Elementary Statistics	
CIS Required Core (42 credits)		
CIS 185	Technology Management	3
CIS 220	Management Information Systems	3
CIS 244	IT Security and Information Assurance	3
CIS 258	IT Infrastructure	3
CIS 261	Windows Administration	3
CIS 310	Project Management	3
CIS 315	Documentation and Content Management	3
CIS 316	AI and Business	3
CIS 340	Enterprise Architecture	3
CIS 445	IT Audit Controls	3
CIS 453	Systems Analysis	3
CIS 454	Data and Information Management	3
CIS 467	Data Governance	3
CIS 470	Projects in MIS	3
or CIS 497	Internship	
Required Business Support Courses (9 credits)		9
BOTE 247	Spreadsheet Applications	
BUS 305	Business Communication	
MGMT 301	Fundamentals of Management	

Required CSCI / DATA Support Courses (27 credits)		27
CSCI 111	Introductory Programming and Big Data	
CSCI 260	UNIX and Linux Systems	
CSCI 276	Industrial Hardware Design and Security	
CSCI 331	Technology and Society	
CSCI 390	Ethical Hacking	
CSCI 410	Defensive Network Security	
DATA 347	Data Analytics and Visualization	
Suggested Supporting Courses **Six additional credits needed to graduate**		6
To complete the Data Science Minor:		
DATA 240	Programming for Data Science	
To enhance communication skills:		
COMM 218	Public Relations Principles	
COMM 425	Crisis Communication	
Total Hours		**120**

COmputer Information Systems Minor (Non-CIS majors only)

Entire minor also offered online.

CIS 185	Fundamentals of IT and Security	3
CIS 220	Managing Computer Information Systems	3
CIS 258	Networking Essentials	3
CIS 310	Agile Project Management and Collaboration	3
BOTE 247	Spreadsheet Applications	3
DATA 347	Data Analytics and Visualization	3
Total Hours		**18**

Office Services Concentration

Entire concentration also offered online.

Select 10-12 credits from BOTE or CIS courses.	10-12
Total Hours	**10-12**

Information Processing Concentration

BOTE 152	Keyboarding II	3
BUS 154	Word Processing and Presentation Software	3
BOTE 247	Spreadsheet Applications	3
CIS 454	Data and Information Management	3
ART 112	Print, Web, and Social Media Graphics	3
Total Hours		**15**