

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.

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 or MATH 210	Applied Statistics and Data Visualization Elementary Statistics	

CIS Required Core (42 credits)

CIS 185	Fundamentals of IT and Security	3
CIS 220	Managing Computer Information Systems	3
CIS 244	IT Security and Information Assurance	3
CIS 258	Networking Essentials	3
CIS 261	Windows Administration	3
CIS 310	Agile Project Management and Collaboration	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 or CIS 497	Projects in CIS Internship	3

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 ¹ 6

To complete the Data Science Minor:

DATA 240	Programming for Data Science	
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To enhance communication skills:

COMM 218	Public Relations Principles	
COMM 425	Crisis Communication	

Total Hours 120

¹ Six additional credits needed to graduate

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