

Minor in Computer Information Systems

The Computer Information Systems (CIS) Minor is an excellent way for students to acquire knowledge and skills to meet workforce needs by preparing them for high-demand jobs in areas such as business analytics or cybersecurity. This minor offers three different tracks affording students the ability to customize the minor to best fit their career goals. The tracks are in the following areas: business analytics, cybersecurity, and a general area for an overview of the CIS field.

This minor is not available to students majoring in a Bachelor of Business Administration (BBA) in Management Information Systems.

Students who wish to minor in CIS must complete requirements in one of the following three tracks.

Business Analytics Track

Code	Title	Credits
BA A375	Statistics for Business and Economics	3
or ECON A312	Econometrics for Business and Economics	
BADA A110	Computer Concepts in Business	3
BADA A210	Introduction to Programming for Business Analytics	3
BADA A330	Database Systems	3
BADA A470	Business Analytics, Data Science, and Machine Learning	3
Complete one upper-division course from the following:		3
ACCT A316	Accounting Information Systems	
BA A452	Financial Derivatives	
BA A480	Marketing Media Analytics	
BADA A310	Systems Analysis and Design	
BADA A361	Advanced Contemporary Business Applications Development	
ECON A329	Economic and Business Forecasting	
Total		18

Cybersecurity Track

Code	Title	Credits
BADA A110	Computer Concepts in Business	3
BADA A210	Introduction to Programming for Business Analytics	3
BADA A330	Database Systems	3
BADA A345	Managing Data Communications and Computer Networks	3
Complete two adviser-approved BADA electives related to Cybersecurity		6
Total		18

General Track

Code	Title	Credits
BADA A110	Computer Concepts in Business	3
BADA A210	Introduction to Programming for Business Analytics	3
BADA A310	Systems Analysis and Design	3
BADA A330	Database Systems	3
Complete two upper-division courses from the following:		6
BADA A345	Managing Data Communications and Computer Networks	
BADA A350	Advanced Web Page Development for Business Applications	
BADA A361	Advanced Contemporary Business Applications Development	
BADA A390	Selected Topics in Management Information Systems	
BADA A395	Programmer/Analyst Internship	
BADA A445	Advanced Network Management	
BADA A470	Business Analytics, Data Science, and Machine Learning	
BADA A490	Advanced Topics in Management Information Systems	
BADA A495	Systems Analyst/User Support Internship	
BADA A498	Individual Research Project	
ECON A312	Econometrics for Business and Economics	
ECON A329	Economic and Business Forecasting	
Total		18

A total of 18 credits is required for the minor, 12 of which must be upper-division.