

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. All BBA students pursuing the minor in CIS must apply to the College of Business and Public Policy (CBPP) for upper-division standing prior to taking any upper-division course in the CIS minor. Students pursuing a baccalaureate degree outside CBPP with a minor in CIS can establish approval for upper-division courses by going to the CBPP Student Advising Center (sac@alaska.edu or (907) 786-4100).

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

Business Analytics Track

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

Cybersecurity Track

Code	Title	Credits
CIS A110	Computer Concepts in Business	3
CIS A210	Contemporary Business Applications Development	3
CIS A330	Database Management Systems	3

CIS A345	Managing Data Communications and Computer Networks	3
Complete two adviser-approved CIS electives related to Cybersecurity		6
Total		18

General Track

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

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