

COMPUTER INFORMATION SYSTEMS MINOR
2012 - 2013 Catalog

Name: _____
 Bear Number: _____
 Date: _____
 Advisor: _____

The Computer Information Systems (CIS) Minor is designed for students who wish to pursue collateral work in the computing, technology and communications/networking areas. Completion of the minor prepares a student to successfully employ technology and integrate information systems into his or her career activities. The CIS Minor is attractive to students majoring in other areas of Business Administration as well as to majors from other schools and colleges. It complements their work in these other areas. The program is not designed to prepare individuals to become programmers or systems personnel, but does provide a broad exposure to the area of corporate information systems.

Admission to the minor requires that a Business major be in academic good standing in both the Monfort College of Business and the University of Northern Colorado. A non-Business major who wishes to add or change to a Computer Information Systems Minor must have a cumulative GPA of 2.5 on at least 15 credit hours and obtain written approval from the School of Accounting and Computer Information Systems, Monfort College of Business, Kepner 2090. Nonbusiness majors who have a GPA between 2.25 and 2.49 may apply for admission from the School of Accounting and Computer Information Systems, Monfort College of Business, Kepner 2090.

Computer Information Systems Minor Course Requirements				
18 Semester Credit Hours				
To graduate with a CIS Minor, a student must attain at least a "C-" grade in each individual course required for the CIS Minor.				
Required Courses: 9 semester credit hours				
Take all courses in the following list.				
	Pref/Num	Course Title	Sem. Hrs.	Prerequisite(s) ¹
	BACS 287	Graphical Interface Programming	3	BACS 101 or successful completion of CPE Majors and minors only
	BACS 380	Networking & Data Communications Systems	3	Majors and minors only, Juniors or above Required lab arranged
	BACS 485	Database Management Systems	3	BACS 287 Majors and minors only, Juniors or above Required lab arranged
Elective Courses: 9 semester credit hours				
Take three courses from the following list.				
	Pref/Num	Course Title	Sem. Hrs.	Prerequisite(s) ¹
	BACS 350	Intermediate Web Development	3	BACS 200 or consent of instructor Required lab arranged
	BACS 371	Introduction to Computer Forensics	3	BACS 300 or consent of instructor
	BACS 382	TCP/IP Network Security	3	BACS 380 or consent of instructor
	BACS 387	Object Oriented System Development	3	BACS 287 Majors and minors only, Juniors or above Required lab arranged
	BACS 392	Systems Platforms & Network Development	3	BACS 380 or consent of instructor Majors and minors only, Juniors or above
	BACS 484	Distributed Enterprise Systems	3	BACS 387 Majors and minors only, Juniors or above
	BACS 486	Advanced Database Management	3	BACS 485 Majors and minors only, Senior standing Required lab arranged
	BACS 487	Systems Analysis and Design	3	BACS 287 BACS 300 Majors and minors only, CIS students only, Juniors or above Required lab arranged
	BACS 490	Advanced E-Business Technology	3	BACS 287 with a minimum grade of "C-" Majors and minors only, Juniors or above
	*BACS 495	Special Topics in CIS	1-3	Consent of instructor Majors and minors only, Juniors or above

¹The Monfort College of Business monitors course prerequisites. Course prerequisites may be adjusted each new catalog year.

*BACS 495, Special Topics in CIS may be used to fulfill minor requirements. It may not exceed 3 semester hours.

NOTES: Students may transfer a maximum of 6 semester credits (courses with a "BA" prefix) toward the minor from other institutions.