

Minor in Computer Information Systems

23-25 units

A computer information systems minor meets the needs of business-minded students specializing in information technology at the professional level. It provides graduates with a variety of technological skills needed by organizations and businesses today. The program comprises a fundamental understanding of the use, knowledge, function, installation, and maintenance of computers. Topics include database systems, computer information systems, web programming, accounting, and principles of management.

Requirements

Consult with the department for each semester's course offerings, since they are not necessarily the same every semester.

Computer information systems students are required to have a laptop for classroom work.

Code	Title	Units
CIS Core Courses ¹		
CS/ENGR 120	Introduction to Computer Science I ²	4
CS 125	Introduction to Computer Science II	4
CS 315	Fundamentals of Network Administration	3
CS 325	Telecommunications and Interfacing	3
Select one of the following:		3
CS 115	Impact of Social Media ³	
WRIT 242	Writing 2: Entrepreneurial Tech Start-ups ⁴	
Select two of any CS or ENGR course numbered 200 or above.		6-8
Total Units		23-25

¹ Students earning the computer science major are not eligible to earn the CIS minor.

² Meets 1 unit of the General Education Oral Communication requirement (taking CS 120, CS 290, and CS 480—or CS 120, ENGR 240, and ENGR 480—satisfies the General Education Oral Communication requirement).

³ Meets the General Education Social Science requirement.

⁴ Meets the General Education Writing 2 requirement.

Program Learning Outcomes

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Students who successfully complete this program shall be able to:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Apply computer science theory and software development fundamentals to produce computing-based solutions.