



# Computer Information Systems, B.S. *major*

Required Credits: 77

Required GPA: 2.25

## I REQUIRED COMPUTER INFORMATION SYSTEMS CORE

COMPLETE THE FOLLOWING COURSES:

- BUAD 2280 Computer Business Applications (3 credits)
- BUAD 2381 Structured Application Development (3 credits)
- BUAD 3381 Management Information Systems (3 credits)
- BUAD 3382 Advanced Application System Development (3 credits)
- BUAD 3384 Systems Analysis and Design (3 credits)
- BUAD 4385 Data Modeling and Design (3 credits)
- BUAD 4387 Corporate Information Management (3 credits)
- CS 1309 Problem Solving and Computation (3 credits)
- CS 2321 Computer Science I (4 credits)
- CS 2322 Computer Science II (4 credits)

## II ADVANCED CIS PROJECT

SELECT 1 (min of 3 credits) OF THE FOLLOWING ADVANCED CIS PROJECTS (CONSULT ADVISOR):

- BUAD 4386 Applied Software Development Project (3 credits)
- BUAD 4910 Directed Independent Study (3 credits)
- CS 4910 Directed Independent Study (3 credits)
- BUAD 4970 Internship (1-12 credits)
- CS 4970 Internship (3 credits)

## III ADDITIONAL REQUIRED COURSES

COMPLETE THE FOLLOWING COURSES:

- ACCT 1101 Principles of Accounting I (3 credits)
- ACCT 1102 Principles of Accounting II (3 credits)
- BUAD 3223 Operations Management (3 credits)
- BUAD 3351 Management (3 credits)
- BUAD 3361 Marketing (3 credits)
- BUAD 3771 Financial Management (3 credits)
- ECON 2000 Markets and Resource Allocation (3 credits)
- ECON 2100 Macroeconomics and the Business Cycle (3 credits)
- MATH 2471 Calculus I (5 credits)

SELECT 1 OF THE FOLLOWING COURSES:

- BUAD 2231 Business Statistics I (3 credits)  
or STAT 2610 Applied Statistics (4 credits)

## IV ELECTIVES

SELECT 9 SEMESTER CREDITS FROM A AND B. AT LEAST 2 COURSES MUST BE FROM GROUP A:

A.

- BUAD 3281 Decision Support Systems (3 credits)
- BUAD 3283 E-Commerce Web Development (3 credits)
- BUAD 3383 Data Communications (3 credits)
- CS 3350 Event-Driven Programming in a Windows Environment (3 credits)
- CS 3360 Object-Oriented Software Development (3 credits)
- CS 3528 Data Structures and Algorithms (4 credits)
- CS 3718 Computer Graphics (3 credits)

- CS 4280 Programming Language Structures (3 credits)
- CS4361
- CS 4362 Software Engineering II (3 credits)

B.

- BUAD 3232 Business Statistics II (3 credits)
- BUAD 3520 Business Ethics (3 credits)
- CS 3507 Introduction to Databases (3 credits)
- CS 3610 Introduction to Operations Research (3 credits)
- MATH3210

## SUGGESTED SEMESTER SCHEDULE FOR CIS MAJOR, B.S.

The following is a list of required CIS courses arranged by year. This schedule is intended to help students plan their courses in an orderly fashion; however, these are only suggestions

Freshman

- BUAD 2280 Computer Business Applications (3 credits)
- College Writing courses
- Science or Mathematics
- Liberal Education courses

Sophomore

- ACCT 1101 Principles of Accounting I (3 credits)
- ACCT 1102 Principles of Accounting II (3 credits)
- BUAD 2231 Business Statistics I (3 credits)  
or STAT 2610 Applied Statistics (4 credits)
- BUAD 3223 Operations Management (3 credits)
- BUAD 3381 Management Information Systems (3 credits)
- CS 1309 Problem Solving and Computation (3 credits)
- ECON 2000 Markets and Resource Allocation (3 credits)
- ECON 2100 Macroeconomics and the Business Cycle (3 credits)
- Science or Mathematics
- Liberal Education courses

Junior

- BUAD 2381 Structured Application Development (3 credits)
- BUAD 3351 Management (3 credits)
- BUAD 3361 Marketing (3 credits)
- BUAD 3382 Advanced Application System Development (3 credits)
- BUAD 3771 Financial Management (3 credits)
- CS 2321 Computer Science I (4 credits)
- CS 2322 Computer Science II (4 credits)
- Computer Information Systems electives

Senior

- BUAD 3384 Systems Analysis and Design (3 credits)
- BUAD 4385 Data Modeling and Design (3 credits)
- BUAD 4386 Applied Software Development Project (3 credits)
- BUAD 4387 Corporate Information Management (3 credits)
- Computer Information Systems electives
- Liberal Education courses