

## COMPUTER INFORMATION SYSTEMS

# Computer Information Systems

## Major

## Minor

	MAJOR	MINOR
Hours Required in Computer Science:	47	13
Hours Required in Other Departments:	27-28	6
<b>Total Hours Required:</b>	<b>74-75</b>	<b>19</b>

### See related programs

- COMPUTER SCIENCE
- INFORMATION TECHNOLOGY
- INFORMATION TECHNOLOGY
- MANAGEMENT

#### Professors:

Chitsaz, Rinard (Chair)

#### Associate Professor:

Thiel

#### Assistant Professors:

Crall, Song, Zhang, Zheng

#### Lecturer:

M. Flinn

## Summary of Requirements for Major/Minor in Computer Information Systems

### Major

#### 1. Core Courses: (26 hours)

COSC 101	The Discipline of Computer Science
COSC 102	Foundations of Computer Science
COSC 240	Computer Science I
COSC 241	Computer Science II
COSC 325	Software Engineering
COSC 365	Digital Logic
COSC 460	Operating Systems Concepts
COSC 489	Computer Science Capstone

#### 2. Required Advanced Courses: (15 hours)

COSC 300	Structured Systems Analysis and Design
COSC 331	Fundamentals of Computer Networks
COSC 380	Computer-Based Information Systems
COSC 440	Database Management Systems
COSC 480	Knowledge-Based Systems

#### 3. Other Required Courses:

##### Mathematics (6-7 hours)

MATH 220	Calculus for Applications
	<i>or</i> MATH 236 Calculus I (Core Skill 3)
MATH 209/219	Elements of Applied Probability and Statistics (Core Skill 3)
	<i>or</i> MATH 380 Introduction to Probability and Statistics

##### Other: (12 hours)

ACCT 211	Financial Accounting
CMST 102	Introduction to Human Communication
ENGL 338	Technical Writing (Core Skill 2)
MGMT 351	Management of Organizations

#### 4. Electives: (6 hours)

At least two courses selected from:

COSC 305	Computer Ethics
COSC 320	Business Programming
COSC 335	Network Architecture Design
COSC 345	The Internet and Multimedia Communications
COSC 350	Low-Level Programming Concepts
COSC 390	Topics in Modern Programming Languages
COSC 431	Secure Computing
COSC 491	Seminar in Computer Science
COSC 494	Field Exp. in Computer/Information Science
COSC 499	Individual Problems in Computer Science

#### 5. Electives in Business: (9 hours)

Any three of the following courses

BLAW 291	Legal Environment of Business
MGMT 355	Operations Management
MGMT 356	Leadership and Human Behavior
MGMT 357	Human Resource Management
MKTG 361	Principles of Marketing

### Minor

#### 1. Core Courses (10 hours)

COSC 101	The Discipline of Computer Science
COSC 240	Computer Science I
ACCT 211	Financial Accounting

#### 2. Advanced Courses: (6 hours)

Two of the following

COSC 300	Structured System Analysis and Design
COSC 305	Computer Ethics
COSC 380	Computer-Based Information Systems

#### 3. Elective in Business: (3 hours)

One of the following

BLAW 291	Legal Environment of Business
MGMT 355	Operations Management
MGMT 356	Leadership and Human Behavior
MGMT 357	Human Resource Management
MKTG 361	Principles of Marketing