

# COMPUTER INFORMATION SYSTEMS, B.A.

Computer Information Systems at St. Scholastica is an innovative alternative to the computer science programs offered at many colleges and universities. Students in the program learn current and emerging computer technologies and the means to apply these system technologies in solving organizational problems. In addition to the core computer concepts, students select a specific application concentration in business analysis, health informatics, mathematics or software development. Students also may seek departmental approval for a custom-designed concentration.

Graduates find work in a variety of large and small organizations as software developers, data analysts, web developers, application programmers, database specialists and business/system analysts. Some graduates are working for computer consulting firms or working as entrepreneurs, while others are managing the information systems of large and small organizations.

## Contact Information

cis@css.edu

## Learning Outcomes

The student completing the Computer Information Systems major will be able to:

1. Analyze, design, and construct solutions to simple and complex problems
2. Research, evaluate, select and apply technologies and methodologies to meet organizational needs
3. Effectively communicate technical ideas with team members and stakeholders through oral presentations, written documents, and software documentation
4. Articulate and apply personal and organizational values within the context of professional codes of ethics and the Benedictine values.

## Requirements

Students must achieve the following program requirements for all courses listed under "Program Required Courses" for the Computer Information Systems, B.A. major.

### Program Requirements

**Major Credits: 59**

**Major Residency Credits: 16**

**Minimum GPA: 2.0**

**Minimum Grade: D**

### Program Required Courses

CIS majors must complete the following required courses and at least one of the concentrations below. The concentration choice determines whether the student receives a B.A. or B.S. degree.

Code	Title	Credits
<b>Required Courses</b>		
CIS 1001	Computer Science Principles	4
CIS 2011	Computer Architectures	4
CIS 2085	Programming I with/Java	4

CIS 2087	Programming II w/Java	4
ENG 3364/ MGT 3150	Management Communication: Written	4
CIS 3107	Database Modeling	4
CIS 3108	Systems Analysis and Design	4
CIS 4108	Project Management	2
CIS 4109	Capstone Project	4
CIS 4555	Systems Development Internship	1
<b>Total Credits</b>		<b>35</b>

### Business Analysis Concentration, B.A.

Code	Title	Credits
Program Required Courses		35
ACC 2210	Principles of Financial Accounting	4
CIS 3205	Information Systems	4
CIS 3287	Software Quality Assurance	2
CIS 4041	Web Design	4
CIS 4042	Computer Security	2
MGT 3550	Organizational Behavior	4
Select one of the following:		4
FIN 3550	Business Statistics	
MTH 2442	Introduction to Data Analysis and Applied Statistics	
MTH 4411	Probability and Statistics I	
PSY 3331	Statistics	
<b>Total Credits</b>		<b>59</b>

### Custom Concentration, B.A.

Code	Title	Credits
Program Required Courses		35
A 24-credit concentration approved by the CIS department chairperson.		24
<b>Total Credits</b>		<b>59</b>

### Health Informatics Concentration, B.A.

Code	Title	Credits
Program Required Courses		35
CIS 3205	Information Systems	4
HIM 2101	Medical Language	3
HIM 2102	Introduction to Pharmacotherapeutics	1
HIM 2110	Concepts and Principles of Health Information Management	2
HIM 2111	HIM Technologies in Practice	2
HIM 3132	Medicolegal Issues	4
HIM 4415	Health Data Analytics	4
Select one of the following:		4
FIN 3550	Business Statistics	
MTH 2442	Introduction to Data Analysis and Applied Statistics	
MTH 4411	Probability and Statistics I	
PSY 3331	Statistics	
<b>Total Credits</b>		<b>59</b>

## **Degree Requirements**

To graduate from the College of St. Scholastica, baccalaureate students must meet the following minimum degree requirements.

**Total Credits: 128**

**Upper Division Credits: 42**

**Residency Requirement: 32**

**Minimum GPA: 2.0**