



SIENA HEIGHTS UNIVERSITY
COMPUTER AND
INFORMATION SYSTEMS

Siena Heights University • 1247 East Siena Heights Drive • Adrian, MI 49221

www.sienaheights.edu





CIS at Siena

The Computer and Information Systems (CIS) department at Siena Heights University offers majors, minors, and associates degrees in CIS. Our dedicated faculty who are practitioners in the field will prepare you for future challenges. Our well balanced and comprehensive curriculum enables you to assume responsible roles as systems analysts, software programmers, database administrators, network specialists, web developers, and information systems managers. Your career prospects are strengthened by our on-the-job experiences and senior projects. The CIS department offers many attractive benefits to our students, such as excellent co-op/internship placements, history of successful career placement, excellent student/faculty ratio, and state-of-the-art facilities.



What Makes CIS at Siena Unique?

Siena's CIS major allows students to acquire general knowledge required for a CIS generalist while providing flexibility for students to select a concentration in the following high-job-demand specialties: Information Systems, Networking, and Web Development.

Additionally, each student concentration requires an internship experience and senior project. Typically, Siena CIS students graduate with job offers directly resulting from their respective internship experiences.

Information Systems

This concentration builds upon the general CIS curriculum with courses such as Java Programming, Data Communications, and Management Information Systems to assist students toward careers such as:

- System Developer
- Software Programmer
- Software Engineer
- Systems Analyst
- Data Base Administrator
- Information Systems Manager

Networking

This concentration builds upon the general CIS curriculum with courses such as Network Operating Systems, Data Communications, and Data & Network Assurance to assist students toward careers such as:

- Network Manager
- Network Specialist
- Help Desk Administrator
- Network Trouble Shooter

Web Development

This concentration builds upon the general CIS curriculum with courses such as Java Programming, Web Development, and a Special Topics course to assist students toward careers such as:

- Web Developer
- E-commerce
- Content Managers

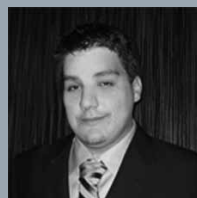


Faculty Who Are With You Every Step of the Way

The CIS Department is unique in its close relationship between faculty and students. From the introductory courses through the capstone senior project, our students are counseled and guided through the program individually. All CIS classes are small in size, generally less than 20 students, meeting in a laboratory style classroom where one-on-one discussion with the faculty is the norm. The student-faculty relationship becomes extremely important as our full-time and key adjunct faculty maintain outstanding professional relationships with key contacts in the CIS industry. As a result, our students are often afforded access to prime professional job placements with noteworthy companies.

"I am so grateful to the faculty and the CIS program at Siena Heights University for preparing me to become a successful IT professional. I was offered a Systems Analyst position with a respectable firm even before my graduation. The education, training, advice, and mentoring I have received while I was a student at Siena will stay with me for the rest of my life. Thank you Siena!"

Benjamin Riggelman
2006 CIS Graduate



Job Placement

Job opportunity for CIS majors continues to be strong. The US Department of Labor Bureau of statistics projects that employment in the information technology industry will grow at an annual rate double that of overall growth. Our placement rate is very close to 100% and virtually all our graduates work in the IT field after graduation.

Organizations where our recent graduates are employed include:

- Adrian Steel Corporation, Adrian, MI
- ADP Corporation Ann Arbor, MI
- Amcor Corporation, Manchester, MI
- Bank of Lenawee, Adrian, MI
- Brazeway Corporation, Adrian, MI
- Chrysler Corporation, Detroit, MI
- Creative Solutions, Ann Arbor, MI
- Huron River Area Credit Union, Ann Arbor, MI
- JRME Enterprises, Inc, Detroit, MI
- La-Z-Boy Corporation, Monroe, MI
- Lenawee Intermediate School District, Adrian, MI
- MEDSTAT Group, Ann Arbor, MI
- Member Driven Technologies, Detroit, MI
- Merillat Corporation, Adrian, MI
- Parker Hannifin Corporation, Toledo, OH
- Visteon Corporation, River Rouge, MI
- Visteon Corporation, Saline, MI
- Wacker Silicones Corporation, Adrian, MI



Degrees In CIS

Bachelor of Arts Degree Major

REQUIREMENTS

Cognate Requirements	12
BAM 311 Business Ethics or	3
PHI 220# Introduction to Ethics	3
MAT 174#* Introduction to Data Analysis	3
MAT 260# Discrete Mathematics	3
TSC 101* Fundamentals of Speech Communication	3
Core Requirements	15
CIS 119 Visual Basic Programming	3
CIS 218 Introduction to Information Systems	3
CIS 252 Introduction to C++ Programming	3
CIS 353 Systems Analysis	3
CIS 363 Database Management Systems	3
Concentrations	18
Information Systems	
CIS 340 Java Programming	3
CIS Approved Electives (300/400 level)	3
CIS 443 Data Communications	3
CIS 465 Management Information Systems	3
CIS 480 Internship	3
CIS 495 Senior Project	3
Networking	
CIS 370 Network Operating Systems	3
CIS Approved Electives (300/400 level)	3
CIS 443 Data Communications	3
CIS 470 Data and Network Assurance	3
CIS 480 Internship	3
CIS 495 Senior Project	3
Web Development	
CIS 340 Java Programming	3
CIS Approved Electives (300/400 level)	3
CIS 460 Web Development	3
CIS 480 Internship	3
CIS 480 Special Topics	3
CIS 495 Senior Project	3
Total for Major	45
Liberal Arts	32-37
General Electives	38-43
Total for Degree	120

Computer and Information Systems Minor

REQUIREMENTS

CIS 119 Visual Basic Programming	3
CIS 218 Introduction to Information Systems	3
CIS 252 Introduction to C++ Programming	3
CIS 340 Java Programming	3
CIS 353 Systems Analysis	3
CIS 363 Database Management Systems	3
CIS 3/400 Approved Electives	3
CIS 465 Management Information Systems	3
Total for Minor	24
Certification	
CIS 119 Visual Basic Programming	3
CIS 218 Introduction to Information Systems	3
CIS 252 Introduction to C++ Programming	3
CIS 340 Java Programming	3
CIS 353 Systems Analysis	3
CIS 1__ Any three one credit courses above CIS 100	3
Total for Certification	18

Associate of Arts Degree

REQUIREMENTS

Computer and Information Systems Requirements	24
CIS 119 Visual Basic Programming	3
CIS 218 Introduction to Information Systems	3
CIS 252 Introduction to C++ Programming	3
CIS 340 Java Programming	3
CIS 353 Systems Analysis	3
CIS 363 Database Management Systems	3
CIS 3/400 Approved Electives	3
Cognate Requirements	6
MAT 174#* Data Analysis and Statistics	3
TSC 101* Fundamentals of Speech Communication	3
Total for Associate	30
Liberal Arts	14-16
General Electives	14-16
Total for Degree	60

*Indicates division requirements

#May be double counted toward major and Liberal Arts Requirements