

# Computer Information Systems

The Computer Information Systems (CIS) major is designed to prepare students for careers in Information Technology companies or as Information Technology specialists within industries of their interest. The program provides a sound base of computer competencies as well as opportunities to emphasize the specific computer-related interests of the student. Courses in programming, management information systems, Internet and World Wide Web applications, and computer graphics and design are part of a growing list of topics available for students to pursue within the major. Students completing this major will hold a Bachelor of Science in Computer Information Systems upon graduation from Guilford.

## Why Guilford College?

Consistently rated nationally by *The Princeton Review* as well as being one of the 40 colleges in *Colleges that Change Lives* by Loren Pope, Guilford College inspires each student to achieve excellence through an engaging community, rooted in Quaker values, which nurtures creativity and social responsibility.

## What can a Guilford education offer you?

- An urban setting near other colleges & universities with an area student population of over 27,000 students
- A consortium agreement with University of North Carolina at Greensboro, Greensboro College, Bennett College, North Carolina A&T State University, Elon University and High Point University provides students with access to courses free of charge
- A college mission statement & core values based on, and consistent with, Quaker testimonies. Guilford's core values are: Community, Diversity, Equality, Excellence, Integrity, Justice & Stewardship.
- A challenging academic program which emphasizes not only academic tracks and the learning process, but also the interconnection between curricular and co-curricular pursuits
- A diverse student population providing a stimulating peer environment
- Excellent study abroad programs in China, England, France, Germany, Ghana, Ireland, Italy, Japan, Netherlands, Scotland, Spain, and Wales

## The academic program in Computer Information Systems

The Bachelor of Science degree is offered in Computer Information Systems.

Minors are offered in Business, Business Law, Human Resource Management, Money and Finance, Non-Profit Management, and International Business Management.

## Required courses for the Computer Information Systems major

A minimum of 32 credit hours is required.

Prerequisites include BUS 141: Introduction to Computers (or equivalent knowledge and skill) and satisfying the college's quantitative literacy requirement (i.e., pass the quantitative literacy exam or any Guilford math course, or transfer an approved math course)

Students must take the following major courses:

- CMIT 140: Introduction to Computer Programming
- BUS 341: Management Information Systems
- BUS 448: CIS Capstone, another approved capstone course, or a one-semester four-credit senior project approved by the coordinator of the major.
- Three approved elective courses in advanced topics in management and computing from the following list:
  - BUS 343 or CMIT 440: Computer Graphics and Animation
  - CMIT 223 Computer Hardware Construction
  - CMIT/THEA 274 Digital Graphic Design
  - CMIT 322 (Inter) Networking Computers
  - Special topics courses listed as BUS or CMIT 250, 350 or 450 may be used as elective courses with permission of Business Department Chair. At least two of the electives must be 300 level or above. Areas of study include application development, World Wide Web, e-business, information systems management, computer hardware and operating systems, networking and telecommunications, and theory and implementation of database management systems.
  - BUS 241: Computers and Management
  - BUS 344: e-Business
  - CMIT/BUS 342 Database Systems
  - CMIT 321 Operating Systems
  - CMIT 331 Information Design
  - CMIT 144 VB.Net (2 credits)

## **Faculty**

Deena Burris, Assistant Professor, Chair; [dburris@guilford.edu](mailto:dburris@guilford.edu)

Peter B. Bobko, Associate Professor

Alvin Gibson, Assistant Professor

Betty T. Kane, Assistant Professor

Richard Hackworth, Assistant Professor

Darryl Samsell, Assistant Professor

Vicki Foust, Visiting Instructor

Mini Ranganathan, Visiting Instructor

Ernest Green, Visiting Instructor

**For additional information about Computer Information Systems at Guilford College visit [www.guilford.edu/academics](http://www.guilford.edu/academics)**

