

## **Computer Information Systems (CIS) [Return to Dept Home Page](#)**

The computer information system 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.

### **Computer Information Systems Major Requirements**

<b>1. BUS 241 Computers and Management</b>	<b>4 Credits</b>
<b>2. BUS 341 Management Information System</b>	<b>4 Credits</b>
<b>3. BUS 344 e-Business</b>	<b>4 Credits</b>
<b>4. CMIT 140 Introduction to Computer Programming</b>	<b>4 Credits</b>
<b>5-7. Twelve approved elective credits in advanced topics in management and computing. 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.</b>	<b>12 Credits</b>
<b>CMIT 144 VB.Net</b>	
<b>CMIT 223 Computer Hardware Construction</b>	
<b>CMIT or BUS 250 Special Topics</b>	
<b>CMIT/THEA 274 Digital Graphic Design</b>	
<b>CMIT 321 Operating Systems</b>	
<b>CMIT 322 (Inter)Networking Computers</b>	
<b>CMIT 331 Information Design</b>	
<b>CMIT/BUS 342 Database Systems</b>	
<b>CMIT 440 Computer Graphics and Animation or</b>	
<b>BUS 343 Computer Graphics</b>	
<b>CMIT or BUS 350 Special Topics</b>	
<b>CMIT or BUS 450 Special Topics</b>	
<b>8. BUS 448 CIS Capstone, another approved capstone course, or a one-semester four-credit senior project approved by the coordinator of the major.</b>	<b>4 Credits</b>
<b>Total credits required for a B.S. Degree in Computer Information Systems</b>	<b>32 Credits</b>

