

# Information Systems (BS)

## Degree Requirements

| Information Systems (BS)  | Course Title  | Credit Hours |
|---|---|--------------|
| Information Systems Core Courses - Forty-four (41) credit hours, with a minimum grade of "C" in each course, are required as follows: |   | 41           |
| CA 275  | Decision Making - Small                                 | 3 hrs        |
| CIS 115   | Beginning Programming                                   | 4 hrs        |
| ISC 245   | Info Systems in Organizations                           | 3 hrs        |
| ISC 272   | Systems Architecture                                    | 3 hrs        |
| ISC 285   | Intermediate Programming                                | 3 hrs        |
| CIS 300   | Information Technology in Society                       | 1 hr         |
| CIS 321   | Data Communications and Networking                      | 3 hrs        |
| CIS 324   | Database Design, Development, and Management            | 3 hrs        |
| ISC 360   | Info Systems Analysis and Design (W)                    | 3 hrs        |
| ISC 361   | Database for Info Systems                               | 3 hrs        |
| EH 372 <b>OR</b><br>EH 373  | Technical Writing (W) or Writing in the Professions (W) | 3 hrs        |
| ISC 462   | Information Systems Strategy and Policy                 | 3 hrs        |
| ISC 475   | Information Systems Project Management                  | 3 hrs        |
| CIS 497   | Senior Capstone Experience (W)                          | 3 hrs        |
| CIS 498   | CIS Senior Seminar                                      | 0 hrs        |
| Information Systems Environment - Fifteen (15) credit hours, with a minimum grade of "C" in each course, are required as follows:     |   | 15           |
| ACC 211   | Principles of Accounting I                              | 3 hrs        |

|   |                              |       |
|---|------------------------------|-------|
| ECO 215   | Principles of Microeconomics | 3 hrs |
| MGT 300   | Management Theory & Practice | 3 hrs |
| Six (6) credit hours of 200 level or higher courses from Accounting, Business, Economics, Finance, Management, or Marketing.<br>6 hrs     |                              |       |
| Information Systems Electives - Twelve (12) credit hours of approved electives, with a minimum grade of "C" in each course, are required. |                              | 12    |

## Department Information

### Department of Information Systems and Technology Staff

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|--|-----------------------|
| Professor, Information Systems Coordinator, and Department Chair     | Dr. Jeffrey P. Landry |
| Associate Professor, Health Informatics Program Coordinator          | Dr. Matt Campbell     |
| Senior Instructor, Information Technology Degree Program Coordinator | Mrs. Angela M. Clark  |

Department of Information Systems and Technology website  
<https://www.southalabama.edu/colleges/soc/cist>

### Information Systems

Computer-based information systems have become a critical part of products, services, and management of organizations. The Information Systems discipline centers on the development of systems that will improve the performance of people in organizations. Information systems are vital to problem identification, analysis, and decision making at all levels of management. Information Systems professionals must analyze the evolving role of information and organizational processes. Their work includes the design, implementation and maintenance of the information systems that form the backbone of today's global economy. Information Systems professionals distinguish themselves by integrating technology into business. Information Systems graduates pursue professional careers as application developers, database analysts, business analysts and into managerial positions. The combination of business, technical, and interpersonal skills are what recruiters demand of Information Systems professionals.

### Health Informatics

Technology is revolutionizing the way that healthcare is delivered both in the United States and around the world. The Health Informatics discipline focuses on improving patient care and outcomes through the use of information systems. Health Informaticists accomplish this in three main ways: supporting the healthcare provider, improving the efficiency and effectiveness of the healthcare organization, and empowering the patient to be more involved in their own care. Health Informatics graduates pursue professional careers with hospitals, large clinics, healthcare software vendors, and various state and federal agencies. The combination of healthcare, technical, and interpersonal skills allow HI graduates to enter these organization and be productive immediately without the additional training that other traditional technologists may require. Health Informatics is a rapidly growing field that provides graduates who save lives and impact society through the use of technology.

### Information Technology

Information technology professionals utilize state-of-the-art, computer-based tools to deliver today's rapidly evolving computing technology to knowledge workers in widely diverse situations. The information technologist must be prepared to work in the complex network and World-Wide-Web environments to meet the needs of the end users in today's organizations. These tasks require bringing solutions together using the different technologies developed by the computer engineers, computer scientists, and information scientists.