

Information Technology (BS)

Degree Requirements

Information Technology (BS)	Course Title	Credit Hours
Information Technology Core Courses - Forty-four (44) credit hours, with a minimum grade of "C" in each course, are required as follows:		44
CA 275	Decision Making - Small Groups	3 hrs
EH 372 OR EH 373	Technical Writing (W) OR Writing in the Professions (W)	3 hrs
CIS 115	Beginning Programming	4 hrs
ITE 271	Information Technology in Organizations	3 hrs
ITE 272	System Architecture	3 hrs
ITE 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, & Management	3 hrs
ITE 370	Advanced Application Development	3 hrs
ITE 474	Human Computer Interface	3 hrs
ITE 475	IT Project Management	3 hrs
ITE 480	Needs Assessment and Technology Evaluation (W)	3 hrs
ITE 485	Senior Demonstration Project	3 hrs
CIS 497	Senior Capstone Experience (W)	3 hrs
CIS 498	CIS Senior Seminar	0 hrs
Information Technology Electives - Twenty-one (21) credit hours, with a minimum grade of "C" in each course, are required. Students complete one of the following Focus Tracks consisting of twelve (12) hours of specified courses and nine (9) hours of approved Information Technology support electives:		21
Web Publishing		
ITE 375	Publishing for the World Wide Web	3 hrs
ITE 380	Multimedia Production	3 hrs
ITE 453	Web Site Management	3 hrs
ITE 482	Advanced Web Development	3 hrs
Networking		
ITE 382	Network Administration	3 hrs

ITE 384	Network Infrastructure Systems	3 hrs
ITE 476	Network Security Management	3 hrs
ITE 484	Advanced Network Management	3 hrs
Digital Forensics		
CJ 105	Introduction to Criminal Justice	3 hrs
ITE 372	Advanced Operating Systems	3 hrs
ITE 373	File Systems for Digital Forensics	3 hrs
ITE 473	Digital Forensics Analysis	3 hrs
Information Technology Support Electives - Nine (9) credit hours, with a minimum grade of "C" in each course, are required. Support electives are designed to further refine and develop a set of focused skills. Support electives require approval of advisor/coordinator.		

Department Information

Department of Information Systems and Technology Staff

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.