

Bachelor of Science in Information Systems (BSIS)

The BSIS is a four-year program with 136 credit hours towards graduation. It enables students to get a world-class Bachelor of Science degree in Information Systems by acquiring exceptional understanding of all knowledge components and computer skills needed for today's market in business environments. Students will gain a hands-on experience in business requirements analysis, database and data warehouse design, applications programming, and enterprise systems development and other techniques to successfully develop software information systems that fit organizational needs.

The BSIS curriculum has been designed with inputs from experts and IT employers to meet the recent ABET Accreditation Criteria and ACM/IEEE guidelines for Information Systems programs. It includes multiple industry-recognized certifications that are built into the curriculum to support the students' résumés.

Program Mission:

To graduate professionals, leaders and entrepreneurs equipped with adequate knowledge and technical skills of international standards in the field of Information Systems.



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Bachelor of Science in Information Systems



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Career Paths:

- Systems Analysts and Designers
- Information Technology Specialists
- Project Managers
- Enterprise Systems Architects
- Database Administrators and Analysts
- Software Developers
- Information Storage Managers

Tracks

General Electives		CH
BSIS 3390	IS Research Methods	3
BSIS 4316	IT Audit and Controls	3
BSIS 4317	IS Innovation and Emerging Technologies	3
BSIS 3325	Information Storage and Management	3
BSIS 4326	Data Warehouse Development	3
BSIS 4327	Big Data Storage and Management	3
BSIS 3365	Mobile and Web Applications Development	3
BSIS 4335	Enterprise Systems Development	3
BSIS 4366	Business Process Management	3

Year 1: Fall Semester		
Course Code	Course Name	Credits
ICTC 1302	Information & Computing Technology Concepts	3
LOGC 1202	Digital Logic Concepts	2
ARTS XXXX	Arts & Design	2
COMM 1301	Communication Skills I	3
ARAB XXXX	Arabic Studies	3
MATH 1304	Calculus I	3
BSCS 1160	Computer Ethics & Society	1
Total		17

Year 1: Spring Semester		
Course Code	Course Name	Credits
COMM 1302	Communication Skills II	3
BSIS 1310	Information Systems Foundations	3
BSCS 1330	Discrete Structures	3
BSCS 1350	Introduction to Programming	3
BSCS 1320	Computer Architecture & Organization	3
BSCY 1310	Fundamentals of Cybersecurity	3
Total		18

Year 2: Fall Semester		
Course Code	Course Name	Credits
ISLS XXXX	Islamic Studies	3
STAT 2301	Statistics	3
BBUS 1301	Introduction to Business	3
BSCS 2355	Object Oriented Programming	3
BSCS 2351	Fundamental Data Structures	3
BSCS 2370	Operating Systems	3
Total		18

Year 2: Spring Semester		
Course Code	Course Name	Credits
ARAB XXXX	Arabic Studies	3
BMGT 1301	Principles of Management	3
BSCS 2375	Networking & Data Communication	3
BSCS 2310	Analysis of Algorithms	3
BSIS 2330	Enterprise Architecture Concepts	3
BSIS 2340	IS Project Management	3
Total		18

Year 3: Fall Semester		
Course Code	Course Name	Credits
EMOI 1201	Emotional Intelligence	2
ISLS XXXX	Islamic Studies	3
XXXX XXXX	Free Elective	3
BMGT 2302	Human Resource Management	3
BSCS 3340	Computer Graphics & Visualization	3
BSIS 3360	Systems Analysis & Design	3
Total		17

Year 3: Spring Semester		
Course Code	Course Name	Credits
XXXX XXXX	Required Gen. Ed. Electives (HUMN, NASC, SBSC)	3
ISLS XXXX	Islamic Studies	2
BACC 1301	Principles of Financial Accounting	3
BSCS 3345	Human Computer Interaction	3
BSIS 3320	Database Management Systems	3
BSIS XXXX	Program Elective	3
Total		17

Year 4: Fall Semester		
Course Code	Course Name	Credits
ENTR 3301	Entrepreneurship & Design Thinking	3
XXXX XXXX	Required Gen. Ed. Electives (HUMN, NASC, SBSC)	3
BMKT 1301	Principles of Marketing Management	3
BSIS 4370	IS Strategy & Management	3
BSIS 4291	Capstone Project I	3
BSIS XXXX	Program Elective	3
Total		18

Year 4: Spring Semester		
Course Code	Course Name	Credits
BBBF 1101	Basic Body & Brain Fitness	1
XXXX XXXX	Free Elective	3
BSIS 4292	Capstone Project II	3
BSIS 4393	Internship	3
BSIS XXXX	Program Elective	3
Total		13