

Information Systems and Technology BS

The Bachelor of Science in Information Systems and Technology provides students with technical knowledge in IT, including application development, business intelligence, cybersecurity, and systems analysis and design. Students can also select IT electives to personalize and strengthen their knowledge in specific areas of interest to them. Through complementary business courses, students will learn about business practices, costs and budgets associated with business technology infrastructure, resource management, and communication skills. The curriculum is guided by an advisory board consisting of senior IT leaders and CIOs. The program is STEM designated, making students eligible for grants, scholarships, and numerous job opportunities.

Career Outlook

The US Bureau of Labor Statistics projects double-digit growth in IT jobs over the coming decade. Information Systems and Technology BS graduates are prepared to apply IT and business knowledge to understand the technology landscape, help organizations streamline their business processes with the aid of technology, and enable the alignment of IT plans with business plans. Due to the value they bring, graduates are hired by local and national companies and quickly rise in technology management roles. They enjoy high job satisfaction and compensation in their careers.

Future Career Options

- Application Developer
- · Business Analyst
- Business Intelligence
- Cybersecurity Analyst
- Database Designer
- · Helpdesk Manager
- IT Manager
- Technical Writer

Skills Developed By Degree Completion

- Evaluate ethical considerations in all dimensions of business and technology use
- Strategically advise how information systems enable business practices
- Demonstrate competency in the analysis, design, implementation, and use of information systems for the solution of business problems
- Exhibit specialized technical expertise in application development, business intelligence, and cybersecurity
- Communicate an integrated understanding of technology and information management to a range of audiences

Successful alumni have gone on to fulfill many of the opportunities above. Additional possibilities are taken from the Bureau of Labor Statistics. Contact an advisor to discuss additional future career options.



STARTS RIGHT NOW

This is a sample academic map for the courses to take each academic semester/session. This map is not a substitute for academic advisement. Contact your advisor when making final selections.



UNIVERSITY STUDIES

University studies is required for all first-year students and those with less than 24 credit hours.



MILESTONE COURSES

Milestone courses should be taken in the order shown to ensure you stay on a timely and accurate path toward graduation.



SUMMER AND INTERSESSION COURSES

Don't forget that summers and winter breaks are a way to fast-track your route to degree completion – and lighten your load during fall and spring!

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2025-2026 4-YEAR ACADEMIC MAP

Year	Bachelor of Science in Information Systems and Technology FALL SEMESTER (16 credit hours) BUS AD 1000: Introduction to Business (3) or ENT 1100: Introduction to Entrepreneurship (3) ENGL 1100: First-Year Writing (3) INFSYS 1800: Computers and Information Systems (3) MATH 1030: College Algebra (3) GEN ED EXPLORE: Humanities and Fine Arts (3) INTDSC 1003: University Studies (1) SPRING SEMESTER (15 credit hours) ACCTNG 2400: Fundamentals of Financial Accounting (3) BUS AD 1107: Quantitative Methods (3) or MATH 1100: Basic Calculus (3) ECON 1001: Principles of Microeconomics (3) INFSYS 2800: Information Systems Concepts and Applications (3)		Check once completed
	GEN ED EXPLORE: Humanities and Fine Arts (3)	٠	
Year 2	FALL SEMESTER (15 credit hours) ACCTNG 2410: Managerial Accounting (3) ECON 1002: Principles of Macroeconomics (3) MATH 1105: Basic Probability and Statistics (3) INFSYS 3806: Managerial Application of Object-Oriented Programming I (3) INFSYS 3820: Introduction to Systems Administration (3)		
	SPRING SEMESTER (15 credit hours) BUS AD 2900: Legal Environment of Business (3) INFSYS 3816: Managerial Application of Object-Oriented Programming II (3) SCMA 3300: Business Analytics and Statistics (3) GEN ED CORE: Communication Proficiency (3) GEN ED EXPLORE: Humanities and Fine Arts (3)		
Year 3	FALL SEMESTER (15 credit hours) ENGL 3120: Business Writing (3) INFSYS 3845: Database Management Systems (3) MGMT 3600: Management and Organizational Behavior (3) SCMA 3301: Introduction to Supply Chain Management (3) GEN ED CORE: US History and Government (3)		
	SPRING SEMESTER (15 credit hours) FINANCE 3500: Financial Management (3) INFSYS 3810: Information Systems Analysis (3) INFSYS 3830: Data Programming (3) MKTG 3700: Principles of Marketing (3) Global Perspectives Requirement (3)		
Year	FALL SEMESTER (15 credit hours) INFSYS 3848: Introduction to Information Security (3) MGMT 4219: Strategic Management (3) and MGMT 4220: Business Assessment (0) Elective (3) Elective (3) Elective (3)		
	SPRING SEMESTER (14 credit hours) INFSYS 3842: Data Networks and Security (3) INFSYS 4847: IT Project Management (3) INFSYS 4850: Information Systems Design (3) Elective (3) Elective (2)	∅ (***	