

# INFORMATION SYSTEMS, BACHELOR OF SCIENCE (BS)

## Program Learning Outcomes

- **Communication and Interpersonal Skills:** Use written, oral and electronic methods for effective communication. (UO 1) The student will be able to:
  - Participate effectively on teams to accomplish a common goal.
  - Communicate effectively with a range of audiences using various mechanisms, formally or informally with excellent oral, written, and listening skills.
  - Analyze, and incorporate diverse ideas and broader perspectives represented in the diversity of people.
  - Demonstrate persistence, flexibility, curiosity, creativity, risk taking, and a tolerance of these abilities in others.
  - Devise effective user interfaces for information systems.
- **Ethical and Professional Responsibilities:** Discern and articulate the impact of technologies on society. (UO 8) The student will be able to:
  - Understand professional responsibilities in terms of the ethical, legal, security and social aspects of any given problem and its solution.
  - Demonstrate an understanding of the cognitive, social, legal, ethical, diversity, and security perspectives surrounding a given problem.
  - Assess the impact of information systems and associated technologies on individuals, groups, organizations, society, and the world for the purpose of making informed decisions from a sociological, governmental, legal, and/or security perspective.
  - Critically evaluate and possibly act on current ethical issues in the IS field.
  - Apply IS professional codes of conduct.
- **Information Technology:** Have proficient use of computers and software to manage information statistical analysis, spreadsheet, database and other appropriate applications. (UO 10)
  - Understand, apply and adapt various problem-solving strategies, using appropriate technology and methods.
  - Identify information systems problems and/or opportunities in terms of the human, organizational, informational and technology dimensions.
  - Analyze issues surrounding the problem and/or opportunity in terms of the human, organizational, informational, and technology dimensions; and determine the requirements appropriate to understanding the situation.
  - Design systems, architectures, processes, components, or programs to meet desired needs of the human context at varying levels of analysis (e.g., individual, group, organization, society, and/or world).
  - Evaluate the success of systems, architecture, processes, components, or programs intended to meet desired needs of the human context at varying levels of analysis (e.g., individual, group, organization, society, and/or world).
- **Professional Proficiency:** Evaluate the necessary skills and knowledge to meet professional competencies as information systems professionals and global citizens. (UO 5 & 9) The student will be able to:

- Define the history and vocabulary unique to information systems professionals.
- Understand and apply the interdisciplinary, theoretical knowledge of information systems.
- Define and explain the core concepts, principles, processes, and theories within the academic major of IS.
- Apply the core concepts of the academic majors of IS to real-world problems.
- Collaborate with other professionals as well as perform successfully at the individual level.

## Related Links

Information Systems, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/information-systems/>)

Information Systems Fact Sheet (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-InfoSystems.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)