

BS IS Learning Goals and Objectives

- I. **Critical Thinking and Problem Solving.** Solve business related problems by analyzing existing systems and processes and designing and implementing the most feasible alternative. The student will be able to:
 - a. Demonstrate effective critical thinking and problem solving; effectively evaluate and resolve systems and business or other contemporary challenges using appropriate systems methodology demonstrating good decision-making skills and application of both traditional and new concepts and skills.
 - b. Use systems concepts for understanding and framing problems.
 - c. Understand that a system consists of people, procedures, hardware, software, and data within a global environment

- II. **Communication and Interpersonal Skills.** Use written, oral and electronic methods for effective communication. The student will be able to:
 - a. Participate effectively on teams to accomplish a common goal.
 - b. Communicate effectively with a range of audiences using various mechanisms, formally or informally with excellent oral, written, and listening skills.
 - c. Analyze and incorporate diverse ideas and broader perspectives represented in the diversity of people.
 - d. Demonstrate persistence, flexibility, curiosity, creativity, risk taking, and a tolerance of these abilities in others.
 - e. Devise effective user interfaces for information systems.

- III. **Ethical and Professional Responsibilities.** Discern and articulate the impact of technologies on society. The student will be able to:
 - a. Understand professional responsibilities in terms of the ethical, legal, security and social aspects of any given problem and its solution.
 - b. Demonstrate an understanding of the cognitive, social, legal, ethical, diversity, and security perspectives surrounding a given problem.
 - c. 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.
 - d. Critically evaluate and possibly act on current ethical issues in the IS field.
 - e. Apply IS professional codes of conduct.

- IV. **Information Technology.** Have proficient use of computers and software to manage information statistical analysis, spreadsheet, database and other appropriate applications.
 - a. Understand, apply and adapt various problem-solving strategies, using appropriate technology and methods.
 - b. Identify information systems problems and/or opportunities in terms of the human, organizational, informational and technology dimensions.
 - c. 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.
 - d. 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).
 - e. 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).

- V. **Professional Proficiency.** Evaluate the necessary skills and knowledge to meet professional competencies as information systems professionals and global citizens. The student will be able to:
- a. Define the history and vocabulary unique to information systems professionals.
 - b. Understand and apply the interdisciplinary, theoretical knowledge of information systems.
 - c. Define and explain the core concepts, principles, processes, and theories within the academic major of IS.
 - d. Apply the core concepts of the academic majors of IS to real-world problems.
 - e. Collaborate with other professionals as well as perform successfully at the individual level.