

College of Information Sciences and Technology
Curricular Goals for College of IST Undergraduate Students
(Including both IST and SRA Majors)

| GOAL | OBJECTIVE |
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| Goal 1: Understand and apply the interdisciplinary, theoretical knowledge of the information sciences or security sciences | 1a. Define and explain the core concepts, principles, processes, and theories within the academic majors of IST and/or SRA |
| | 1b. Apply the core concepts of the academic majors of IST and/or SRA to real-world problems |
| Goal 2: Understand, apply and adapt various problem solving strategies , using appropriate technology and methods | 2a. Identify information problems and/or opportunities in terms of the human, informational and technology dimensions |
| | 2b. Analyze issues surrounding the problem and/or opportunity in terms of the human, informational, and technology dimensions; and determine the requirements appropriate to understanding the situation |
| | 2c. 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) |
| | 2d. Deploy up-to-date and appropriate techniques, methodologies, and/or tools necessary for understanding opportunities and constraints and/or the optimal design, implementation and continuance of an information based solution |
| | 2e. 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) |
| Goal 3: Communicate and work effectively (both individually and in teams) with a range of perspectives and audiences through a variety of media | 3a. Participate effectively on teams in order to accomplish a common goal |
| | 3b. Communicate effectively with a range of audiences, formally or informally, through writing and the spoken word |
| | 3c. Seek out, analyze, and incorporate diverse ideas and broader perspectives represented in the diversity of people |
| | 3d. Make respectful and inclusive choices in interacting with customers, peers, supervisors, and/or subordinates with a diversity of identity characteristics (e.g., age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, gender identify, or veteran status) |
| Goal 4: Understand professional responsibilities in terms of the ethical, legal, security and social aspects of any given problem and its solution | 4a. Demonstrate an understanding of the cognitive, social, legal, ethical, diversity, and security perspectives surrounding a given problem |
| | 4b. Assess the impact of information, computing and technology on individuals, groups, organizations, society, and the world for the purpose of making informed decisions from a sociological, governmental, legal, and/or security perspective. |
| Goal 5: Commit to the continuous acquisition of relevant knowledge for professional development by self teaching and/or on-going education and learning | 5a. Employ information-seeking strategies and self-directed learning in pursuit of current knowledge |
| | 5b. Enroll in professional development and tutoring opportunities |