

ENTERPRISE TECHNOLOGY INTEGRATION, B.S. (INFORMATION SCIENCES AND TECHNOLOGY)

Begin Campus: Any Penn State Campus

End Campus: University Park, World Campus

Program Learning Objectives

1. **Knowledge Application:** Understand and apply the interdisciplinary, theoretical knowledge of enterprise technology integration (ETI)
 - a. Define and explain the core concepts, principles, processes, and theories within the academic major
 - b. Apply the core concepts of ETI to real-world problems
2. **Problem Solving:** Understand, apply and adapt various problem solving strategies, using appropriate technology and methods
 - a. Identify information problems and/or opportunities in terms of the human, informational and technology dimensions
 - b. 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
 - c. 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)
 - d. 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
 - 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)
3. **Communication:** Communicate and work effectively (both individually and in teams) with a range of perspectives and audiences through a variety of media
 - a. Participate effectively on teams in order to accomplish a common goal
 - b. Communicate effectively with a range of audiences, formally or informally, through writing and the spoken word
 - c. Seek out, analyze, and incorporate diverse ideas and broader perspectives represented in the diversity of people
 - d. 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)
4. **Professional Responsibilities:** Understand professional responsibilities in terms of the ethical, legal, security and social aspects of any given problem and its solution
 - a. Demonstrate an understanding of the cognitive, social, legal, ethical, diversity, and security perspectives surrounding a given problem
5. **Lifelong Learning:** Commit to the continuous acquisition of relevant knowledge for professional development by self-teaching and/or on-going education and learning
 - a. Employ information-seeking strategies and self-directed learning in pursuit of current knowledge
 - b. Enroll in professional development and tutoring opportunities

- b. 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.