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 identity, 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

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.

5. **Lifelong Learning:** Commit to the continuous acquisition of relevant knowledge for professional development by self-teaching and/or ongoing 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