

# INFORMATION TECHNOLOGY, B.S. (ABINGTON)

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**Begin Campus:** Any Penn State Campus

**End Campus:** Abington

## Program Learning Objectives

1. Develop the ability to analyze and evaluate real-life technology integration problems within organizational and social contexts, and effectively communicate solutions through written and oral presentations and collaboration in interdisciplinary teams.
2. Demonstrate the ability to code the features (data types, data structures, flow control, GUI, methods, iteration, and threading, consume APIs and online services) with the following enterprise programming languages: JavaScript, Python, Java, and C#.
3. Demonstrate the ability to perform management and maintenance of servers, PC's, routers, switches, work with networking security tools, firewalls, anti-virus and intrusion detection systems. Demonstrate knowledge of networking concepts: OSI model, networking topologies, and networking protocols.
4. Demonstrate the ability to perform full software/system lifecycle development, prepare and respond to request for quote documentation.