Penn State’s degree programs in Information Sciences and Technology (IST) are meeting the demand for individuals who can develop, protect, and analyze the impact of technology in the 21st century. Our students use teamwork and critical thinking to solve real-world problems. They gain the skills needed to use technology and leverage information to improve the way we live, work, and play. Through an education that combines technical expertise with skills in business and communication, our graduates are ready to meet the greatest challenges of the information age.

BACHELOR OF SCIENCE

In the bachelor’s degree program, students are challenged to work in teams and think critically to solve real-world problems using technology in a variety of contexts.

Cybersecurity Analytics and Operations: Use mathematical and programming foundations to recognize, analyze, and defend against risks to online information, data stores, and networks.

Data Sciences (Applied Data Sciences option): Master the methods and tools needed to manage, analyze, visualize, and extract actionable knowledge from massive sets of complex data.

Information Sciences and Technology: Prepare for a career focused on how people use technology and develop solutions that improve everyday lives.

Security and Risk Analysis: Apply the principles of cybersecurity and risk management to prepare for threats to information, people, and assets.

ASSOCIATE DEGREE

An associate degree in IST combines flexibility with a highly relevant course curriculum, all while significantly boosting earning potential and broadening career opportunities. **NOTE: The associate degree in IST is not offered at the University Park campus.**

Baccalaureate: Make the transition toward earning your Bachelor of Science in IST by completing all of the lower division requirements while also earning an associate degree.

Generalized Business: Expand your knowledge of business concepts and practices through accounting, marketing, and management courses. Blend your business acumen with technical expertise to improve your marketability in any industry.

Individualized: Develop a flexible academic program with the help of an adviser. Select courses that align with your career aspirations or help you complete a complementary undergraduate certificate.

Networking: With a focus on network administration and computer networking, take advantage of an innovative curriculum to master cutting-edge technologies in the IT field. Balance theoretical knowledge with real-world experience to excel in both the business and IT sectors.
Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. U.Ed. IST 17-35