

Cybersecurity



THE UNIVERSITY
OF TAMPA

B.S. in Cybersecurity
Minor in Cybersecurity
M.S. in Cybersecurity
MBA Concentration in Cybersecurity
Graduate Certificate in Cybersecurity

The cybersecurity program is a unique offering within UT's AACSB-accredited Sykes College of Business. The curriculum emphasizes cybersecurity as a business issue, and students benefit from taking related courses in areas such as accounting, marketing, economics, finance and business law. Cybersecurity professionals must be tech-savvy, people-oriented and business smart to be fully successful in today's environment. Above, program director Kenneth Knapp teaches a class on ethical hacking. Learn more at www.ut.edu/cybersecurity.

What Will You Learn?

Today's society relies on an immense array of global networks and information systems to run organizations, support critical infrastructures and communicate. These networks are vital to our economy, transportation and energy systems, government and much more. Network vulnerabilities can jeopardize personal and business information and disrupt economic growth. Cybersecurity professionals help protect these systems, contributing significantly to organizations' success and stability.

UT's **major in cybersecurity** is a cutting-edge program that teaches students to protect the confidentiality, availability and integrity of information and information systems that support modern organizations. Students receive a comprehensive education that focuses on both the fundamentals of information systems as well as advanced topics in network security, cryptography, risk management, security governance, business continuity, security architecture, physical security and critical infrastructures. Students practice their skills using industry-standard tools and software

in UT's cybersecurity labs. A dedicated network allows them to engage in real-time practice and research. A **minor in cybersecurity** is also offered.

Undergraduate Topics of Study

- Application development
- IT and cloud infrastructure
- Information security principles
- Risk management and compliance
- Network security and cryptography
- Physical and operational security
- Penetration testing and ethical hacking
- Management information systems
- Professional certification test preparation
- Cybersecurity capstone

Students may further advance their studies at UT through an **M.S. in Cybersecurity**, an **MBA concentration in cybersecurity** or a **graduate certificate in cybersecurity**.



International Accolades

The Sykes College of Business is accredited at the undergraduate and graduate levels by AACSB International (the Association to Advance Collegiate Schools of Business), an honor held by only six percent of business schools worldwide. It is rated a top graduate business school in the U.S. by *Bloomberg Businessweek*, and since 2007 has been named among the best business schools in the world by *The Princeton Review*.

UT has also earned the distinction of being one of the first and only U.S. universities to be ISO/IEC 27001:2013 certified in information security, human resources, management of information technology and the Sykes College of Business information security lab (IS 609052).

A Career in High Demand

Demand for certified security professionals is expected to rise as global commerce and modern society become increasingly dependent on information systems and related technologies.

The U.S. Bureau of Labor Statistics predicts a 31 percent growth in information security analyst jobs by 2029.

UT's innovative program prepares students to serve as leaders in this growing field and to be employed by prominent organizations worldwide. In addition to cybersecurity and IT companies, nearly every Fortune 1000 and medium-sized business hires information

security professionals. Opportunities also abound in government, nonprofits and health care, and in industries such as finance, banking, retail, entertainment, energy and transportation.

Professional Certifications

A key feature of UT's cybersecurity program is that it prepares students for professional security certifications and designations, such as the Certified Information Systems Security Professional (CISSP) exam, which provides a competitive edge in the job market. Students can also prepare for the Systems Security Certified Practitioner (SSCP) or Security+ certification, both of which are valuable when starting in this field.

"Students enrolled in UT's cybersecurity program will acquire business skills, hands-on experience with network security solutions and preparation for the CISSP exam. **They will be uniquely qualified to fill the critical shortage of cybersecurity professionals in the U.S.**"

— Tammy Clark, Chief Information Officer, The University of Tampa

Internships at UT and Beyond

Gaining relevant work experience is strongly recommended and can often lead to job opportunities after graduation. Cybersecurity faculty members, who possess the highest credentials in their field, offer students valuable insights and industry connections as they apply for internships with local and national companies. UT students have interned or worked with prominent corporations such as Raymond James, Jabil and SAP.

Students also have the unique opportunity to intern with UT's Office of Information Security, which provides the University with an integrated information security program. Students work with expert staff on projects such as developing information security policies and data protection procedures, completing security and compliance reviews and implementing technical measures to protect campus resources.



UT's state-of-the-art cybersecurity labs, located on the first floor of the Daly Innovation and Collaboration Building, provide students with valuable hands-on experience with the software and equipment used by professionals in the field.



About UT

The University of Tampa is a medium-sized, private university offering more than 200 undergraduate and graduate programs of study. Richly diverse, UT is the school of choice for approximately 9,600 students from all 50 states and 130 countries.

Visit ut.edu/cybersecurity for more information about the cybersecurity program and the Sykes College of Business.



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