Your Future at Illinois Tech

INFORMATION TECHNOLOGY AND MANAGEMENT AND
APPLIED CYBERSECURITY AND INFORMATION TECHNOLOGY

• We integrate theoretical principles learned in the classroom with applied hands-on laboratory and project collaboration.
• Project-based learning, mentored by Illinois Tech faculty, will give you the chance to apply what you learn to relevant real-world situations.
• You have the flexibility to pursue a general course of study or to specialize in one of seven options.
• Specializations are career-focused and will make you more qualified for future employment.
• You’ll learn about a variety of IT fields, including data management, IT entrepreneurship and management, networking and communications, software development, system administration, systems security, and web design and application development.
• You’ll learn relevant skills so you can integrate information technology and management into your daily work.
• The program will prepare you to move into complex, professional roles in a variety of organizations and industries.
• The curriculum integrates IT disciplines of management, development, technology and theory, operations, and security.

The program is for undergraduate students entering as first-year students or transferring from another college. Courses are available during the day or evening in Chicago, and many are available online. Undergraduates also have the option to complete a graduate degree simultaneously with their undergraduate degree through our accelerated master’s degree program.

In addition to providing a solid academic background, your coursework can prepare you for vendor-neutral certification from CompTIA, Microsoft, Linux Professional Institute, SANS Institute, and others.

UNDERGRADUATE PROGRAMS

Bachelor of Information Technology and Management*
Bachelor of Science in Applied Cybersecurity and Information Technology

*The Bachelor of Information Technology and Management degree is accredited by the Computing Accreditation Commission of ABET.

STUDY INFORMATION TECHNOLOGY AND MANAGEMENT (ITM) OR APPLIED CYBERSECURITY AND INFORMATION TECHNOLOGY AT ILLINOIS TECH’S SCHOOL OF APPLIED TECHNOLOGY (SAT)—AND PREPARE TO STAND OUT.

PROJECT-BASED LEARNING AND EXPERIENCE

Industry-sponsored projects provide you with opportunities to work in group situations and to produce portfolios of your work. Faculty with significant industry experience will teach your classes and help guide your professional development. You will make presentations both in class and at professional events, and document your projects in academic publications. Like other SAT graduates, you’ll be able to demonstrate what you have accomplished—and not just what you have learned.
SAMPLE COURSES IN THE ITM AND CYBERSECURITY PROGRAM INCLUDE:

- Introduction to Systems Software Programming
- Open-Source Programming
- Cybersecurity Technologies
- Cybersecurity Management
- Data Modeling and Applications
- Database Management
- Database Security
- Human/Computer Interaction
- Human-Computer Interaction and Web Design
- Website Application Development
- Introduction to Data Networks and the Internet
- Network Administration and Operations
- Cloud Computing Technologies
- Operating System Virtualization
- Enterprise Intelligent Device Technologies
- Fundamentals of Multimedia
- Rich Internet Applications
- Service-Oriented Architectures
- Operating System Security
- Open-Source Intelligent Device Applications
- Cyber Forensics
- Digital Evidence
- Legal and Ethical Issues in IT
- And many more

“ITM is a very practical degree with useful classes for those who are interested in systems administration, whether it be networks, end user, server side, or more. I have found faculty more than accommodating with assisting me on getting research of my own setup.”

— Cooper Van Kampen
(Information Technology and Management 4th Year), Barrington, Illinois

Industry Professor Bill Lidinsky has developed and honed much of his cybersecurity and cyber forensics expertise at Illinois Tech. Over the past four decades, he has become a leader in several areas of computer networking and security, and is regularly called upon to testify as an expert witness for government agencies on such matters.

Illinois Tech has been designated as a National Center of Academic Excellence in Cyber Defense Education by the National Security Agency and the United States Department of Homeland Security.

CONSIDER AN ACCELERATED MASTER’S DEGREE PROGRAM

SAT also offers accelerated master’s degree programs that allow undergraduate students to earn both their bachelor’s and master’s degrees in as few as five years. You can keep your undergraduate scholarships in your fifth year.

CAREER OPTIONS

What can I do with my degree? IT continues to be one of the fastest-growing career sectors in the global economy. When you graduate, you will have options in a variety of professional areas, including:

- Application development
- Cybersecurity
- Data/database administration
- Digital forensics
- IT management
- Information security
- Intelligent device development
- Networking and telecommunications
- Quality assurance and testing
- Software security
- Systems security
- System and network administration
- Web development