ILLINOIS INSTITUTE OF TECHNOLOGY

Be **Well Prepared**

INFORMATION TECHNOLOGY AND MANAGEMENT AT ILLINOIS TECH

CAREER-FOCUSED SPECIALIZATIONS

- **CYBER SECURITY AND INFORMATION ASSURANCE**
- **WEB DESIGN AND APPLICATIONS DEVELOPMENT**
- **IT ENTREPRENEURSHIP AND MANAGEMENT**
- **SOFTWARE DEVELOPMENT**
- **SYSTEM ADMINISTRATION**
- **NETWORKING AND COMMUNICATIONS**
- **DATA MANAGEMENT**

IF YOU DON'T KNOW HOW TO USE IT AND MANAGE IT, TECHNOLOGY IS JUST TECHNOLOGY—
AND INFORMATION IS JUST INFORMATION.

Here's why an undergraduate degree in Information Technology and Management (ITM) from **Illinois Tech's School of Applied Technology (SAT)** can help you stand out in today's global economy:

- 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 Web and application development, system architecture, networking, database systems, systems security, contemporary programming languages, and more.

- 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 freshmen or transferring from another college. Courses are available during the day or evening in Chicago, Wheaton, and online. Undergraduates also have the option to complete a graduate degree simultaneously with their undergraduate degree through our special 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.

WE CALL IT APPLIED TECHNOLOGY FOR A REASON.

This is a **hands-on, reality-based program** in which you are challenged to solve real-life problems using the knowledge you learn in class.

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 PROGRAM INCLUDE:

- Introduction to Systems Software Programming
- Open-Source Programming
- Cyber Security Technologies
- Cyber Security Management
- Data Modeling and Applications
- Database Management
- Database Security
- Human/Computer Interaction
- Internet Technologies and Web Design
- Website Application Development
- Data Networking and the Internet
- Network Administration and Operations
- Cloud Computing Technologies

- Operating System Virtualization
- Intelligent Device Technologies
- Fundamentals of Multimedia
- Rich Internet Applications
- Service-Oriented Architectures
- Embedded Systems
- Operating System Security
- Open-source Operating Systems
- **And many more**

The School of Applied Technology offers a hands-on, reality-based approach to education that allows you to apply what you learn in class to solve real-life problems. We provide a distinctive academic experience where you work on cutting-edge, industry-sponsored projects and research. This teaching philosophy and project-based learning will prepare you to become an innovator, entrepreneur, and tech leader of the future.

You will learn about new and emerging technologies and the application, integration, and administrative practices used in the effective management of these technologies. You will also gain practical teamwork, analytical, and communication skills necessary to be a strong collaborator and manager.

Our faculty have years of firsthand experience in the field and strong connections to industry leaders. And online courses give you the flexibility to tailor your education to fit your schedule.

Our location in the dynamic, world-class city of Chicago offers you access to endless entertainment and cultural opportunities—from music and nightlife to sports and the arts. It is also a growing technology sector. You will find outstanding job opportunities in industry, technology, business, and other areas.

I encourage you to visit our website to learn more about how applied technology at Illinois Tech will prepare you to shape the future of business and industry. Join us.

C. Robert Carlson
Dean, School of Applied Technology

PROJECT–BASED LEARNING AND EXPERIENCE

CAREER OPTIONS

INTEGRATED SYSTEMS
CLOUD
OPEN SOURCE
EMBEDDED SYSTEMS
WEB
FORENSICS
PROJECT MANAGEMENT
VIRTUALIZATION
ENTREPRENEURSHIP
DEVELOPMENT
BIG DATA
INNOVATION
SECURITY
REAL-TIME COMMUNICATIONS
PROGRAMMING
APPLICATION DEVELOPMENT
NETWORKING
OBJECT-ORIENTED
VULNERABILITY ANALYSIS
MOBILE DEVICES

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 definitely have options in a variety of professional areas, including:

- Application development
- Data/database administration
- IT management
- Intelligent device development
- Networking and telecommunications

- Quality assurance and testing
- Systems security
- System and network administration
- Web development
- **And many more**

appliedtech.iit.edu/itm

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800.448.2329 (outside Chicago)
312.567.6939 (fax)

Consider a 2'fer

SAT also offers special degree programs that allow undergraduate students to earn both their bachelor's and master's degrees in as few as five years.