Education for the future.

The six schools of study at the ITT Technical Institutes (School of Information Technology, School of Electronics Technology, School of Drafting and Design, School of Business, School of Criminal Justice and School of Health Sciences) teach skills and knowledge that can be used to help pursue careers in our global technology-driven culture.

Last year, more than 60,000 men and women were enrolled in programs of study offered by the various ITT Technical Institutes.

With a hands-on learning environment in most programs and convenient class schedules, the ITT Technical Institutes offer an education designed around today’s workplace.

A world of opportunity is waiting for those ready to take the next step forward in their education.

Call 1-800-ITT-TECH, or visit our website at www.itt-tech.edu.

Software Applications Development
Bachelor’s Degree Program
Software Applications Development Bachelor's Degree Program

The ITT Technical Institutes offer a variety of career-focused curricula. This brochure helps describe the Bachelor's Degree program in Software Applications Development offered in the School of Information Technology by the ITT Technical Institutes.

What It Means:

The impact of computers on our lives creates an ongoing need to develop new software. This program leads to a bachelor's degree in Software Applications Development in the School of Information Technology at ITT Technical Institute. It studies knowledge and skills to design, develop and implement software-based solutions and products for business and consumer markets.

The Software Applications Development program at ITT Tech can help graduates develop knowledge and skills to pursue such entry-level positions as software/applications developer, IT programmer, software engineer, software applications engineer, software development engineer or software administrator.

What It Means to You:

The ITT Technical Institutes are a leading provider of technology education in the United States. We applied our experience in technology education to develop a bachelor's degree program in a promising field. According to the U.S. Bureau of Labor Statistics, employment in fields related to computer applications software engineering is expected to increase much faster than the average for all occupations from 2008 through 2016.²

Earn Your Bachelor's Degree in One of Tomorrow's Promising Areas of Study:

The Software Applications Development program in the School of Information Technology at ITT Tech offers a foundation in programming skills using a number of languages and platforms while systematically addressing theories and methods of software engineering processes and models governed by industry standards.

The purpose of the program is to help graduates develop knowledge and skills to pursue career opportunities in areas involving software design and development, systems analysis, programming, process design and management, and other areas related to computer software production and deployment.

Some of the Courses in the Program:

- Application Design
- Data Structures with Java
- Programming in C++
- Database Design and Implementation
- .NET Framework Programming
- Enterprise Applications with Java
- Software Engineering
- Web Services and Applications
- Enterprise Applications with .NET
- Application Security
- Software Development Senior Project

Equipment Used by Students in the Program:

Students will have the opportunity to use the following school equipment as required throughout the program: computer systems with programming tools, printers and other common computer peripherals. Please refer to the Student Equipment provision in the Online Course Information section of the school catalog for information relating to student equipment requirements for any distance education courses in this program that are taught online over the Internet.

Length of the Program:

Based on the typical class schedule of a full-time student (i.e., 12 quarter credit hours per academic quarter), this bachelor's degree program is 15 quarters in length. A typical class session lasts approximately three-and-a-half to four-and-a-half hours. Class sessions are generally available in the morning, afternoon and evening, depending on student enrollment. Courses in this program may be taught completely in residence at the school, completely online over the Internet as distance education courses, or partially in residence and partially online. Please refer to the Curricula and Online Course Information sections of the school catalog for specific information regarding the courses that may be taught online.

Admission Requirements:

Consult the school catalog for an explanation of the admission requirements for this program. Please contact the specific campus regarding the opportunity to transfer credits earned at other postsecondary institutions to satisfy course requirements of this program.
The six schools of study at the ITT Technical Institutes* (School of Information Technology, School of Electronics Technology, School of Drafting and Design, School of Criminal Justice and Breckinridge School of Nursing and Health Sciences) teach skills and knowledge that can be used to help pursue careers in our global technology-driven culture.

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Go to programinfo.itt-tech.edu to access information on the programs of study offered at the ITT Technical Institutes, including, among other things:

• the occupations (by name and Standard Occupation Classification (“SOC”) codes) that each program of study can help students prepare to enter, along with links to occupational profiles on O*NET (or its successor site) associated with the SOC codes;
• the on-time graduation rate for students who have completed each program of study;
• the costs associated with each program of study;
• the placement rate for students who completed each program of study;
• the median loan debt incurred by students who completed each program of study;
• any other information that the ED provided to the ITT Technical Institutes about any program of study.

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*Not all ITT Technical Institutes have all six schools of study. Please refer to the particular ITT Technical Institute’s school catalog for details on the schools of study at that institute.

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In Information Systems and Cybersecurity, students gain fundamental knowledge and skills in information systems and cybersecurity, which are essential for entry-level positions in these fields. The curriculum covers topics such as computer and network security, risk management, and legal and ethical considerations in cybersecurity. Students will learn about how to protect computer and network systems from threats, how to respond to security incidents, and how to assess and manage security risks.

Some courses include:
- Risk Management in Information Technology Security
- Network Communications Infrastructure
- Access Security
- Information Technology Infrastructure and Security
- Windows Security
- Security Issues in Legal Context
- Linux Security
- Security for Web Applications and Social Networking
- Security Policies and Implementation
- Hacking and Countermeasures
- Cybercrime Forensics
- Security Auditing for Compliance
- Introduction to Project Management

In Network Systems Administration, students will learn about managing and maintaining computer networks. The curriculum covers topics such as network operating systems, network design and implementation, and network security. Students will gain practical experience through hands-on projects.

Some courses include:
- Computer Structure and Logic
- Introduction to Networking
- Client-Server Networking I & II
- Physical Networking
- Introduction to Programming
- Linux Networking
- Database Concepts
- Network Administration
- Internet and Web Services
- Network specialist
- Systems technician
- Information technology specialist

Career opportunities for graduates include positions as a Technical Support Analyst, Security Analyst, Network Administrator, IT Specialist, Systems Administrator, Network Designer, or Network Consultant.

Network Systems Administration

*Some courses are offered online, which may allow for greater flexibility in your schedule.*

For more information on these programs, please contact your local ITT Technical Institute or visit our website at www.itt-tech.edu.
Software Applications Development

SAD n. (abbreviation of Software Applications Development)
1. The design, development and implementation of software-based solutions and products for business and consumer markets. 2. A bachelor’s degree program with a purpose of helping graduates develop knowledge and skills to pursue career opportunities in areas involving software design and development, systems analysis, programming, process design and management, and other areas related to computer software production and deployment.

The center of the wheel identifies the program. The inside ring names some of the courses within the program that can help the student develop the skills and knowledge to obtain the type of entry-level positions identified in the outer ring.