Network Systems Administration
Associate's Degree Program

ITT Technical Institutes offer a variety of career-focused curricula. This sheet helps describe the Associate's Degree program in Network Systems Administration offered in the School of Information Technology.

What it Means:
Information Technology (IT) workers can benefit most types of organizations. According to the U.S. Department of Labor, "In the modern workplace, it is imperative that Information Technology (IT) works both effectively and reliably." IT is an academic discipline that continues to evolve as computers and communication technology change.

One area of Information Technology is Network Systems Administration, which involves systems such as local area networks (LANs), wide area networks (WANs), the Internet, intranets, and other data communications systems. People who understand networking can connect users in different locations and help maintain the flow of information that companies use to operate. This could involve maintaining, monitoring, configuring and supporting systems that use various network software and hardware to interconnect systems and platforms into a common data-sharing infrastructure.

What it Means to You:
The Network Systems Administration program in the School of Information Technology at ITT Technical Institute can help students develop knowledge and skills that they can use to perform tasks associated with maintaining different computer network systems. Topics in the curriculum, explored through classroom theory and practical applications in a laboratory environment, include network operating systems and network systems design and implementation. If you have strong problem-solving, analytical and communication skills, the study of network systems administration may fit your skills and interests.

This program can help graduates pursue careers in a variety of entry-level positions in various fields involving network systems administration, such as systems/network administrator, network installation technician, computer consultant and computer support specialist.

Some of the Courses in the Program:
- Computer Structure and Logic
- Introduction to Networking
- Client-Server Networking I & II
- Physical Networking
- Introduction to Programming
- Linux Networking
- Database Concepts
- Introduction to Information Security
- IP Networking
- Email and Web Services

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, network hubs, patch panels, 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 that are taught online over the Internet.

Length of the Program:
Based on the typical class schedule of a full-time student, this program is seven quarters in length. A typical class session lasts approximately four to five hours. Class sessions are generally available in the day and evening, depending on student enrollment.

Admission Requirements:
Please consult the school catalog for an explanation of the admission requirements for this program. Please contact the specific institute regarding the opportunity to transfer credits earned at other postsecondary educational institutions to satisfy course requirements of this program.

ITT Technical Institute

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NSA 5/12
Education for the Future.

The six schools of study at the ITT Technical Institutes2 (School of Information Technology, School of Electronics Technology, School of Drafting and Design, School of Business, 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.

Last year, more than 70,000 men and women were enrolled in programs of study offered by the various ITT Technical Institutes.

With 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 a step forward in their education.

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.

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

1. This associate's degree program includes courses that may be taught either completely in residence at the institute, completely online over the Internet as a distance education course, or partially in residence and partially online, as determined by the institute from time to time in its discretion. This program is not offered at all ITT Technical Institutes. Please refer to the specific ITT Technical Institute's school catalog for a complete list of the programs offered at the institute and which courses in each program may be taught in residence at the institute, completely online over the Internet as a distance education course, or partially in residence and partially online.

2. Not every institute has every school of study or offers all of the programs within a particular school of study. Please refer to the specific ITT Technical Institute catalog for details on the schools of study and programs of study offered at that institute.


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Information Systems and Cybersecurity

The Information Systems and Cybersecurity program in the School of Information Technology at ITT Technical Institute exposes students to fundamental knowledge and skills utilized in entry-level positions involving information systems and cybersecurity. The program introduces students to a variety of topics, such as assessing the security needs of computer and network systems, various computer and network safeguarding solutions, and managing the implementation and maintenance of security devices, systems, procedures and countermeasures. This program offers graduates an opportunity to develop knowledge and skills that can help them pursue careers in a variety of entry-level positions involving information security. Graduates of the Information Systems and Cybersecurity program in the School of Information Technology at ITT Technical Institute may pursue career opportunities in a variety of entry-level positions involving information systems and cybersecurity, such as Technical Support Analyst, Security Analyst, Network Administrator, IT Specialist, and Systems Administrator. These positions may involve the design, testing, coding, installation and maintenance of information technology security systems.

Some of the Courses in the Program:
- 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

Software Engineering Technology

This program teaches students to be technology professionals who understand and can apply technology principles to analyze and solve problems using computer-based decision making, knowledge representation, modeling, simulation, and information analysis. The program prepares students to pursue entry-level positions in information technology and astronomy fields, such as software developer, software engineer, software analyst, information technology analyst, business analyst, and system administrator. This program offers graduates an opportunity to develop knowledge and skills that can help them pursue careers in a variety of entry-level positions involving software engineering.

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Some of the Courses in the Program:
- Analytical Techniques in Information Technology
- A World of Opportunity is Waiting for Those Ready to Take the Next Step Forward in Their Education.

Project Management

This program prepares students to perform and manage the complex aspects of project planning and completion. Students learn project management principles, legal and ethical standards, and industry-related software tools. The program offers graduates an opportunity to develop knowledge and skills that can help them pursue careers in a variety of entry-level positions involving project management.

Some of the Courses in the Program:
- Project Management Principles
- Project Management Tools
- Legal and Ethical Standards in Project Management
- Industry-Related Software Tools

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NSA \n. (abbreviation of Network Systems Administration) 1. The study of the implementation and support of computer-based network systems, particularly in the Local Area Network (LAN) and Wide Area Network (WAN) environments. 2. A program that offers systematic instruction in subject areas such as network standards and protocols, network operating systems, network administration, network design and management, and configuration and trouble-shooting of several different network systems.

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