



Academy of Learning

CAREER COLLEGE

IT Security Specialist Diploma Program



CAREER OPPORTUNITIES

- PC Hardware Specialist
- IT Security Expert
- Troubleshooting Expert

**Government Grants and Financial Assistance
may be available to those who qualify.**

Contact Us: 416-422-5627 | 647-494-5544

Email Us: info@aolccnorthyork.com

Visit Us: 29 Gervais Drive, North York ON. M3C 1Y9

IT Security Specialist Diploma Program

Program Objective

The IT Security Specialist program prepares students to work in business establishments' IT departments troubleshooting PC's, installing and upgrading hardware, and ensuring that businesses are working on a secure IT network. The program prepares students to write the industry certified IT exams for CompTIA A+, Server+, Network+, and Security+.

Career Opportunities

Successful candidates can pursue careers in the IT field, specifically troubleshooting, PC hardware, and IT Security. Upward mobility in these vocations is possible with experience, motivation, dedication, and a positive attitude.

Competencies and Core Courses

- ◆ **PC Troubleshooting**
CompTIA A+ 220-901 and CompTIA A+ 220-902
- ◆ **Computer Networking**
CompTIA Network+, CompTIA Server+, and CompTIA Security+
- ◆ **Business Skills**
Customer Service Essentials and Business Correspondence Level 1

Duties and Responsibilities

- ◆ Develop and carry out information security plans and policies
- ◆ Develop strategies to respond to and recover from a security breach
- ◆ Develop or implement open-source/third-party tools to assist in detection, prevention and analysis of security threats
- ◆ Awareness training of the workforce on information security standards, policies and best practices
- ◆ Implement protections
- ◆ Installation and use of firewalls, data encryption and other security products and procedures
- ◆ Conduct periodic network scans to find any vulnerability
- ◆ Conduct penetration testing, simulating an attack on the system to find exploitable weaknesses
- ◆ Monitor networks and systems for security breaches, through the use of software that detects intrusions and anomalous system behavior
- ◆ Investigate security breaches
- ◆ Lead incident response, including steps to minimize the impact and then conducting a technical and forensic investigation into how the breach happened and the extent of the damage

Admission Requirements

- ◆ Grade 12 or equivalent or Mature Student Status.
- ◆ Courses are open to any applicant who possesses a good command of the English language and is able to follow instructions.
- ◆ An admissions interview will be administered to determine if the applicant has the required interest, motivation, and entry-level skills to take this program.
- ◆ Full-time students must attend the required hours per week as per the course schedule and may do so at times convenient to them.



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