

System Administrator

The System Administrator diploma program at triOS is 42 weeks. It includes an 8-week internship. This program is designed for individuals who are seeking knowledge and certification in computer and network-related administration.

Students will receive communications and support training as well as the opportunity to work on popular computer operating systems as well as a deep understanding of security fundamentals.

This program focuses on the skills that prepare graduates quickly and effectively for careers in configuring and supporting PCs and networks.

Program Benefits

- ✓ Half Day Classes
- ✓ Job Placement Assistance
- ✓ Small Class Sizes
- ✓ Certification exam vouchers included
- ✓ Qualified instructors

Here's a look at some of the courses included in this program:

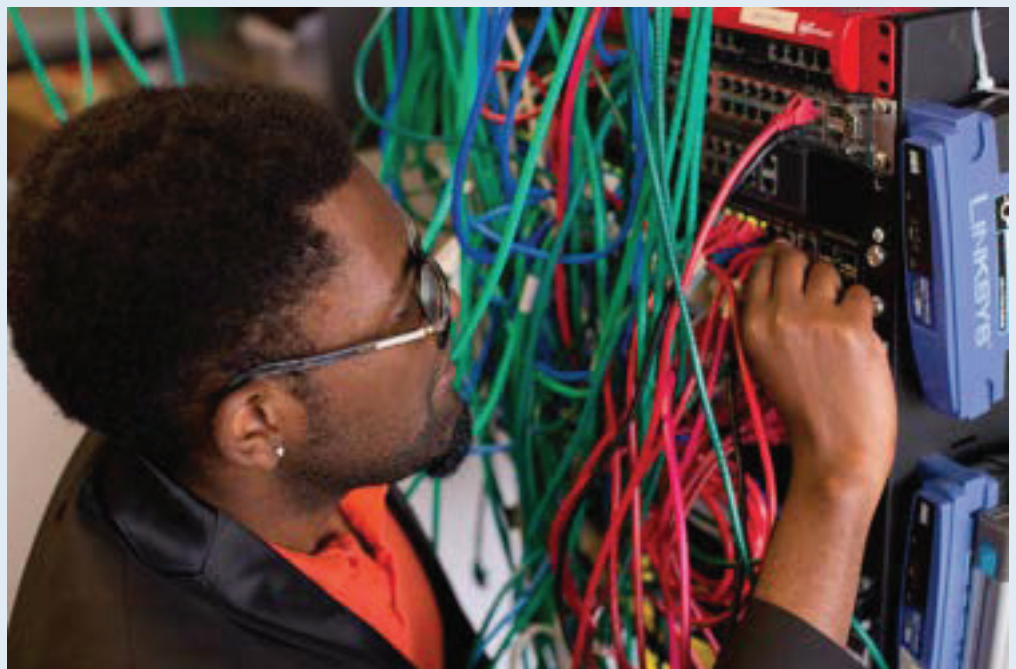
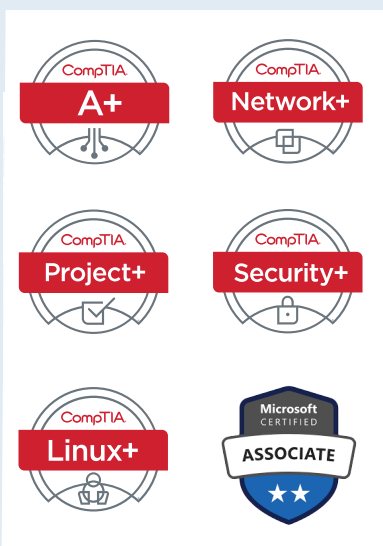
PC & Windows Administration

PC Support, Windows Client Administration, Windows Server & Active Directory Administration

Network & Linux Administration

IT Service & Project Management, Network Administration, Linux Administration, Security Fundamentals

Certification Paths:



Employment and Wage Outlook for Careers in this field:



Employment Rate based on 2021 contactable triOS graduates employed in a related field within 12 months.

Source: workingincanada.gc.ca

NOC Code: 2281/22220 - **Wage data rounded down to the nearest dollar. Average wage doesn't reflect the starting salary but represents the middle value between lowest to highest wages. Local (or regional) income may vary. Last updated in Jan 2024.

Career Opportunities

Computer Network Technician

Network Administrator

Network Support Analyst

Helpdesk Support

System Administrator

Server Administrator

Employers Who Have Hired triOS Grads



Some Other Employers Are:

- KPMG
- ING Direct
- Pace Technical Services

“triOS has been a great experience. Attending this program has brought so much positivity in my life and because of this I want to continue learning all my life now!”

-Adeel R.,
triOS College Graduate

System Administrator + Internship

NOC Code: 2281/22220

Diploma Program Length:

42 Weeks

Student Success Strategies
Career Management

2 Weeks

Internship

8 Weeks

PC Support
Windows Client Administration
Windows Server & Active Directory
Administration

16 Weeks

IT Service & Project Management
Network Administration
Linux Administration
Security Fundamentals

16 Weeks

Program highlights include:

- Registered and approved diploma
- 4 Certification Exam Vouchers ***
- Practice Tests (where applicable)
- Career services
- Job search assistance
- Alumni program benefits

***The courses within the program relate to 8 industry certification examinations. Students are provided with 4 certification exam vouchers to write the certifications they wish to pursue.

Certification Paths:



Admission Requirements:

1. Student has an Ontario Secondary School Diploma or equivalent, OR Is 18 years of age or older on or before the program begins AND can pass a qualifying test that has been approved by the Superintendent.*
2. The approved qualifying test for this program is the Wonderlic test. A passing score for this program is 18.

*Applicants from other Canadian provinces must be at least 19 years of age and a minimum of 1 year out of high school by the program start date and successfully pass an academic achievement test.

International Students: Please contact us for more detail regarding admissions requirements.

Accreditation Policy:

Like all post-secondary institutions in Ontario, triOS College reserves the right to accept or deny advanced standing into its programs.

Certifications:

Students who successfully complete this program will be eligible to write certification exams leading to the following designations: CompTIA A+ (2 vouchers), CompTIA IT Project+, CompTIA Network+, CompTIA Linux+, CompTIA Security+ and Microsoft Desktop Administrator Associate (MDAA): Windows 10 (2 Vouchers). These certifications are comprised of eight (8) individual certification examinations. Students are provided with four (4) certification exam vouchers to write the certifications they wish to pursue.

Note:

In order to continuously improve our programs, triOS College reserves the right to modify programs at any time. Program delivery order may vary depending on the program start date. This diploma program may not be available at all campuses. The program may have additional reading weeks, depending upon the start date.

You can find our Key Performance Indicators (graduation rate, employment rate, etc.) at www.triOS.com/kpi.

How AI is Used in Technology Programs:

What is AI?

Artificial Intelligence (AI) is an *evolving* technology that attempts to simulate human intelligence using computer programs. At the heart of AI is **Machine Learning (ML)**, which correlates large amounts of data to learn the relationships between different data elements. AI and ML products can be used by both IT professionals and software developers to save time on certain tasks.

How do IT professionals leverage AI on the job?

Most IT professionals use AI to obtain or generate information that they would have previously obtained online using a search engine, such as Google. This could include generating summaries for reports and documentation, generating scripts (e.g., PowerShell, BASH), and generating infrastructure configuration templates (e.g., Ansible playbooks).

How do software developers leverage AI on the job?

Nearly all modern development tools now have AI-based auto-suggestion, code generation, and documentation abilities. Software developers can choose to autofill in certain lines of code, as well as generate the initial structure (called stub code) for a new program to give them a solid starting point for development. Additionally, software developers can leverage AI tools to add the necessary documentation to existing code to save time.

How do we approach AI in our programs?

While AI can be used to save time, all AI-generated content must be reviewed in depth by someone with content expertise to ensure that it provides the necessary functionality, and in a way that adheres to corporate standards, security, and software/copyright licenses. Thus, you must first have a solid understanding of IT administration or software development to leverage AI effectively in those fields.

At triOS, we leverage AI to generate content throughout several courses in the program, but only where appropriate, and in ways that mimic the use of AI in the workplace. Additionally, all AI generated content is thoroughly reviewed before use to ensure functionality, security, copyright adherence, license compatibility, and quality. Students will not learn how to create new AI technologies; however, students will learn how to use existing AI tools where appropriate.

Course Descriptions:

Student Success Strategies

This course stresses the importance of developing non-technical skills to enhance personal, academic and career success. This includes understanding learning styles and honing practical study skills, such as memory, reading, note- and test-taking techniques. Personal exercises will focus on teamwork, setting goals and maintaining a positive attitude. Techniques for managing change, stress, and conflict will also be explored.

Career Management

In this module, you will create and refine your résumé and LinkedIn Profile. You will write cover letters and learn the value of customizing cover letters to specific job postings. You will have the opportunity to apply this knowledge as you conduct a job search and write a cover letter tailored to an ideal job post. Through research, you will create a list of top employers and target current industry opportunities. You will learn about current methods for applying to job postings using technology. You will also gain an understanding of the job interview process, typical interview questions and possible responses, and expectations of both the interviewer and interviewee. In addition, you will engage in practical application of the interview process through role-play. Topics such as negotiating salary, self-management, and on-the-job success for placements and postgraduate employment will be also covered.

PC Support

This course introduces you to the essential operating system skills required of a PC support technician, and covers the concepts tested on the CompTIA A+ certification. More specifically, you will learn how to configure, troubleshoot, and maintain both computer hardware and the Windows family of desktop operating systems. Additionally, you will examine the basic configuration of Linux, macOS, and mobile operating systems.

Windows Client Administration

This course introduces the skills and knowledge necessary to install, configure and support Microsoft Windows client operating systems, and covers the concepts tested on the Microsoft 365 Certified: Endpoint Administrator Associate certification exam. More specifically, students learn how to deploy and upgrade Windows clients, as well as configure storage, access, devices, network connectivity and security. Additionally, students learn how to administer systems using PowerShell, as well as leverage online resources and AI tools to generate PowerShell scripts.

Windows Server & Active Directory Administration

This course provides an in-depth look at the different tasks necessary to administer, secure, and troubleshoot Windows Server 2019 systems. Focus is placed on server deployment and management, as well as data, storage, network service, virtualization, and container configuration. Additionally, this course covers Active Directory configuration and management.

IT Service & Project Management

You will gain an understanding of business processes and communication, as well as time and project management skills that are vital for success in today's IT industry. Through the use of examples, demonstrations, and activities, you will examine the strategies and techniques that are commonly used within the IT industry, with a focus on ITIL processes and project management. Additionally, you will leverage AI tools to produce several industry grade deliverables for a complete IT project. This course also covers the concepts tested on the CompTIA Project+ certification.

Network Administration

In this course, students examine the theory and concepts required to successfully administer and troubleshoot IP-based computer networks and network technologies. Moreover, this course covers the concepts tested on the CompTIA Network+ certification.

Linux Administration

Linux provides the foundation for many systems today including embedded and mobile devices, supercomputers, and the cloud. In this course, students learn how to install, configure, and manage Linux systems and the network services that they run. Moreover, this course covers the concepts tested on the CompTIA Linux+ certification.

Security Fundamentals

This course covers the core concepts that provide for security within an enterprise environment. Focus will be placed on the common security tools and procedures that every IT professional must know when working with technology in an organization. Moreover, this course covers the concepts tested on the CompTIA Security+ certification.

System Administrator Internship

At the successful completion of the classroom hours of this program, you will be placed in a 160-hour internship at an outside organization. You will have the opportunity to apply your new and developed skills in a real-world environment. Hosts include small, medium, and large organizations that have an Information Technology department, or organizations that provide technology and technology services.