



Information Technology Infrastructure

London South Campus

IT12B- Information Technology Infrastructure

This program has been permanently suspended.

Program Description

The Information Technology Infrastructure one-year graduate program is beneficial for students who have previous education in IT and are looking to advance their skills to prepare for the workforce.

This program is designed to help graduate students with an IT background step into the industry. Information technology workers need a broad range of practical skills to utilize in their everyday responsibilities. As a student within this program, you will bring your previous understanding of information technology and enhance your skills by learning how you can apply your knowledge within the workforce.

Graduate employability is significantly enhanced by in-depth training in a broad range of technical and personable skills that are in high demand across various industries. As a graduate of this program, you will be prepared to enter an exciting career as a IT Infrastructure/Operations Manager, IT Infrastructure Service Manager or IT Infrastructure Director.

The Information Technology Infrastructure Ontario College Graduate Certificate will focus on the practices and skills currently being used in support of the IT infrastructure. Students will gain valued knowledge and experience working with Windows and Linux operating systems, Windows server administration, virtualization technologies, and network and security devices. Students will also have the opportunity to develop communication, interpersonal, project management and business skills to work effectively in the corporate world.

The program will include hands-on applications and simulations to provide students with marketable skills in operating systems, networks, and security and will contribute to preparing the graduate to write a variety of professional certification exams.

Document of Recognition

Information Technology Infrastructure Graduate Certificate

Program Type/Credential

A One-Year Ontario College Graduate Certificate

Learning Outcomes

1. Analyze and resolve enterprise information technology infrastructure (EITI) problems through the application of systematic approaches and diagnostic tools;
2. Determine business and stakeholder requirements for EITI solutions;
3. Participate as a member of a team, in the design, delivery, expansion and continual improvement of EITI solutions;
4. Use industry best practices, principles in project management and lifecycle management to successfully administer EITI solutions;
5. Automate routine tasks, baseline systems performance, and assess resource utilization using a variety of tools;
6. Participate as member of a team to ensure the availability and integrity of information in enterprise data storage solutions;
7. Participate as member of a team in the design and implementation of security by applying security protocols and knowledge of industry conformance practices;
8. Appraise existing security solutions in light of on-going maintenance, conformance practices, and continual improvement of organizational security;
9. Articulate, defend, and conform to service delivery expectations found in information technology environments;
10. Implement personal and professional development strategies to improve job performance and promote professional growth.

Career Opportunities

Graduates of Fanshawe's Information Technology Infrastructure program will be employed in the computer support field as desktop and application support technicians, computer technicians or help desk technicians. They are employed by computer hardware manufacturers and retailers, software developers, call centres and in information technology departments throughout the public and private sectors.

Did you know Fanshawe consistently ranks high in graduation employment rates among large colleges in Ontario? Here are some examples of career opportunities for graduates of Fanshawe's Information Technology Infrastructure program:

IT Infrastructure/Operations Manager

Ensure that systems, services and infrastructure work reliably and securely.

IT Infrastructure Services/Service Manager

Provide management, reporting and operational support.

IT Infrastructure Director

Manage a team of IT employees responsible for overseeing the infrastructure of technical operations, eliminating security risks and tracking technology to achieve business goals.

Admission Requirements

A Two- or Three year College Diploma, or a Degree

- OR -

Acceptable combination of related work experience and post-secondary education as judged by the College to be equivalent to the above*

Note: Applicants may be required to submit a resume and cover letter that includes details of work experience.

Approximate Costs

Fee details are available at www.fanshawec.ca/fees

Contact

London South Campus: 519-452-4430 ext.6221

Campus Codes and Intakes

- Program Code: IWD2
- Campus Code: London South Campus (LS)
- January, May, September admissions
- 30 weeks term
- Academic Calendars available at www.fanshawec.ca/academicdates

Applicant Selection Criteria

Where the number of eligible applicants exceeds the available spaces in the program, the Applicant Selection Criteria will be:

1. Preference for Permanent Residents of Ontario
2. Receipt of Application by February 1st (After this date, Fanshawe College will consider applicants on a first-come, first-served basis until the program is full)
3. Achievement in the Admission Requirements

English Language Requirements

Test	Score
TOEFL iBT	Overall score of 5 with no score less than 4.5 in any band
IELTS Academic	Overall score of 6.5 with no score less than 6.0 in any of the four bands
CAEL	Overall score of 70 with no score less than 60 in any of the four bands
PTE Academic	Minimum score of 58 with no score less than 50 in any of the four bands
Cambridge English	Overall score of 176 with no language skill less than 169
ESL4/GAP5	Minimum grade of 80% in ESL4/GAP5 Level 9, or 75% in ESL4/GAP5 Level 10
Duolingo	Overall score of 120, with no score lower than 105
LanguageCert Academic	Overall score of 70 with no score less than 65 in any of the four skills

Program Pathways

For information about Program Pathways visit www.fanshawec.ca/programpathways

Program Curriculum

Level 1

Take all of the following Mandatory courses:

INFO-6084	Practical Applications of ITIL-Credits 2
MGMT-6135	Essential Skills for Mgmt Professionals-Credits 4
INFO-6085	End User Operations-Credits 3
ACAD-6002	Graduate Success Strategies-Credits 1
DEVL-6033	Career Planning-Credits 1
INFO-6087	Networking & Security 1-Credits 4
INFO-6086	Operating Systems 1-Credits 4
INFO-6088	Databases 1-Credits 3

Level 2

Take all of the following Mandatory courses:

INFO-6089	Databases 2 & Programming-Credits 4
INFO-6090	Networking & Security 2-Credits 4
INFO-6091	Operating Systems 2-Credits 3
INFO-6092	Data Management-Credits 3
INFO-6093	Cloud Services-Credits 3
MGMT-6148	Applied Project Management-Credits 4