



Technical Systems Analysis

School of Information Technology

COR3 - Public Relations - Corporate Communications

This program has been permanently suspended.

Program Description

A Technical Systems Analyst plays a critical role in facilitating software and system development to collect data. You'll communicate with clients and/or counterparts to define an application problem and then evaluate procedures and processes to find a solution, either by determining specifications or developing new systems.

This one-year Ontario College Graduate Certificate program will provide a solid foundation in information technology supplemented by critical skills, including:

- application software development;
- business data analysis and modelling;
- customer engagement/communications management
- business process and enterprise resource planning.

Students also have the opportunity to engage in business analysis for IT through experiential learning activities, such as case studies and industry-based applied projects.

Academic Progression and Completion Requirements

Graduation from college programs requires a student to complete the program curriculum, meeting its academic standards, achieving a minimum cumulative G.P.A. of 2.0. From initial registration, there is a maximum of seven years (full-time or part-time) to complete the program curriculum.

Document of Recognition

Technical Systems Analysis Ontario College Graduate Certificate

Program Type

A One-Year Ontario College Graduate Certificate Program

Learning Outcomes

The graduate has reliably demonstrated the ability to:

- Apply and manage current application software packages and operating systems to meet enterprise requirements;
- Implement and monitor the steps in the systems development cycle;
- Assess, plan and manage information technology and information systems projects to meet enterprise requirements;

- Prepare systems documentation, write relevant procedures, and design forms to support business user requirements;
- Implement specific, complex design and analysis activities to solve routine information technology and information systems problems;
- Discover and relate the various functions and business systems within an organization using effective communication and interpersonal skills;
- Explore and select solutions to everyday business problems from alternatives;
- Explore and select solutions to everyday process/operational problems from alternatives;
- Adhere to ethical standards of practice and contractual obligations when creating and applying information technology solutions;
- Develop and apply strategies to enhance professional growth and workplace competence.

Career Opportunities

Graduates of Fanshawe's Technical Systems Analysis program are prepared to work as technical systems analysts, management information systems analysts or business intelligence analysts. There is an increased need for analyst roles as companies strive to improve their competitive position within a given industry.

Admission Requirements

Ontario College Diploma, Advanced Diploma, Degree or equivalent, preferably in Information Technology

OR

Equivalent combination of related work experience and post-secondary education as judged by the College

Approximate Costs

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

Contact

School of Information Technology: 519-452-4430

Campus Codes and Intakes

- Program Code: TTS2
- Campus Code: LC (LC - London)
- September Admission
- 15 week terms
- 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

Recommended Academic Preparation

Previous Business or Information Technology post-secondary education and/or training and/or work experience.

English Language Requirements

Applicants whose first language is not English will be required to demonstrate proficiency in English by one of the following methods:

- A Grade 12 College Stream or University Stream English credit from an Ontario Secondary School, or equivalent, depending on the program's Admission Requirements
- 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 - 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:

MGMT-6135 Essential Skills for Mgmt Professionals - 4 credits

INFO-6106 Gathering & Managing Requirements - 4 credits

RSCH-6017 Researching & Documenting the System - 3 credits

INFO-6107 Interface Technologies - 3 credits

DEVL-6024 Career Planning - 1 credit

COOP-1020 Co-operative Education Employment Prep - 1 credit



INFO-6108 Management Info Systems Technology - 4 credits

INFO-6109 Application Technologies - 3 credits

INFO-6110 - Operating Systems 1 - 3 credits

INFO-6136 - Data Technologies 1 - 3 credits

Level 2

Take all of the following Mandatory Courses:

INFO-6111 Agile Practices, Tools & Methodologies - 3 credits

INFO-6112 Operating Systems 2 - 3 credits

INFO-6114 Capstone Project - 5 credits

INFO-6137 Data Technologies 2 - 4 credits

INFO-6138 Applied Robotic Process Automation - 5 credits