A strike has been called by the Ontario Public Service Employees Union (OPSEU), representing full-time support staff at colleges across Ontario. Classes will continue and the College remains operational with some service adjustments.

CENTENNIAL COLLEGE

SOFTWARE ENGINEERING TECHNOLOGY (FAST-TRACK) (OPTIONAL CO-OP)

How To Apply

DOMESTIC STUDENTS →   INTERNATIONAL STUDENTS →

PROGRAM DETAILS

Program Code: 3429

Credential Type: Ontario College Advanced Diploma

School: School of Engineering Technology and Applied Science

Program Type: Fast-track program

Program Length: 2 years/ 4 semesters

Delivery Mode: Hybrid

Location: Progress Campus

Email: icet@centennialcollege.ca

Telephone: 416-289-5000, ext. 53556

Technology Requirements:

PROGRAM AVAILABILITY

Date	Domestic Availability	International Availability	Post-Graduation Work Permit Aligned
January 2026	Available	Available	Yes
May 2026	Available	Available	Yes

PROGRAM OVERVIEW

Centennial College's three-year Software Engineering Technology program will grant qualified college or university graduates with a software background direct admission into Year 2 (Semester 3) so they may receive their advanced diploma in two years (four semesters).

Software is taking the planet by storm and Centennial College's Software Engineering Technology (Fast-Track) program provides a comprehensive two-year learning experience in designing, developing, and maintaining software systems.

As a student, you'll attend advanced diploma courses that will cover modern programming paradigms and frameworks, design and algorithm concepts, data management tools, modern software engineering methodologies, and integration of intelligent systems into various applications. The program will also expose you to a solid knowledge of systems integration, enterprise development, mobile computing and software security.

The coursework emphasizes object-oriented software design methodologies, user-oriented interface design, software testing and quality assurance, and a wide range of programming languages and tools including C#, Java, Java EE, Kotlin, Oracle, MS-SQL Server, UNIX/Linux, Python, Microsoft's .NET Core, HTML5/CSS/JavaScript/Angular/React, mobile application

development, emerging web frameworks and architectural styles, cloud computing, predictive analytics, artificial intelligence/machine learning, and more.

To round out the curriculum's technical focus, the Software Engineering Technology (Fast Track) program includes two software development projects to put your skills into action and develop real-world business applications. These projects allow you to apply all the technical, systems, and business skills you acquire during your studies to build high-quality software.

Overall, the program provides a rigorous and practical education in software engineering technologies, preparing you for success in this rapidly-evolving field. You will be part of a dynamic industry that powers the world by enabling essential tasks such as e-commerce, mobile app development, cloud computing, and artificial intelligence through software programs.

Upon graduation, you'll have the knowledge and hands-on experience to design and develop various kinds of software applications, human-computer interfaces, and enterprise information systems.

Please note: The co-op option is available for fast-track students with four semesters plus two work terms (program #3439). The fast-track programs may also be available in a fully online version (program #3479), and, online co-op (program #3459).

COURSES

Semester 1 ⌄

Course Code	Course Title
COMM-170/COMM-171	College Communications 2

COMP-123	Programming 2
COMP-214	Advanced Database Concepts
COMP-228	Java Programming
COMP-246	Software Systems Design
GNED	General Education Elective
GNED-500	Global Citizenship: From Social Analysis to Social Action

Semester 2 ⌄

Course Code	Course Title
COMP-212	Programming 3
COMP-229	Web Application Development
COMP-254	Data Structures and Algorithms
COMP-304	Mobile Apps Development
COMP-311	Software Testing and Quality Assurance
ENGL-253	Advanced Business Communications

MATH-210	Linear Algebra and Statistics

Semester 3 ⌄

Course Code	Course Title
COMP-231	Software Development Project I
COMP-255	Business and Entrepreneurship for Software Engineering Technology
COMP-303	Enterprise Application Development
COMP-306	API Engineering and Cloud Computing
COMP-307	Software Security
COMP-309	Data Warehousing and Predictive Analytics

Semester 4 ⌄

Course Code	Course Title
CNET-307	IT Project Management
COMP-216	Networking for Software Developers

COMP-308	Emerging Technologies
COMP-313	Software Development Project 2
COMP-321	Enterprise Systems Integration
ELECT 1	Technical Elective 1
EMPS-102	Employment Skills 2

CAREER OPTIONS AND EDUCATION PATHWAYS

Companies Offering Jobs

American Express, Bell Canada, IBM Canada, Manulife, Scotiabank, Toronto Stock Exchange, Toronto Transit Commission (TTC), Royal Bank, CIBC, RBC

Program Highlights

- Courses in this Software Engineering Technology (Fast-Track) program make use of leading technology geared to industry standards.

- Project-based learning is a key program component.

- Knowledgeable and approachable faculty members have diverse business experience and academic credentials.

- The program also offers a co-op option (program #3439). Students who choose this option partake in a paid co-op experience, and gain practical experience and network.

- Graduates from the program may apply for certified membership to either the Canadian Information Processing Society (CIPS) or their provincial engineering technology

association.

Career Outlook

- Software developer

- Web application developer

- Mobile application developer

- Software tester

- Computer programmer

- Systems analyst

- Business analyst

- Database administrator

- Applications or software support

Education Pathways

Graduates of this Software Engineering Technology (Fast-track) advanced diploma program have the opportunity to apply learning achieved at Centennial for credits toward further study at the degree level. Listed below are institutions offering pathways for this program.

Please note that each receiving institution has minimum admission requirements in order to qualify for transfer credits, which are assessed by the receiving institution.

Region	Institution
Toronto GTA	**Seneca Polytechnic**
	York University
Ontario	Conestoga College

Region	Institution
	Lakehead University
	Ontario Tech University

For more detailed pathways information, visit our website at **//centennial.adv-pub.moveonca.com/outgoing-home/**.

Use the following **Education Pathways Checklist** as a guide as you explore your options.

For pathways to other Ontario post-secondary institutions, please visit **ONTransfer**.

Recognitions

The Ontario Association of Certified Engineering Technicians and Technologists (OACETT) recognizes this TAC nationally-accredited program as meeting the academic standard for certification in the Certified Engineering Technologist (C.E.T.) category as well as the OACETT technology report and language benchmark requirements.

OACETT
The Technology Professionals In Ontario

Watch OACETT Video

Accreditation

CIPS

This program has met the national educational standards of Canada's engineering technology and applied science profession, as such, has received national program accreditation by Canada's Association of Information (IT) Technology Professionals (CIPS).

TAC

This program has met the national educational standards of Canada's engineering technology and applied science profession, as such, has received national program accreditation by Technology Accreditation Canada (TAC).

Please note: The qualification requirements and costs for each external accreditation, designation, certification or recognition are set by the granting body — not by Centennial College. In order to qualify for any external accreditations, designations, certifications or recognitions, students and graduates will need to follow the processes and meet the applicable requirements listed on the websites and in the materials of those external bodies.

Areas of Employment

- Software companies

- Government

- Public institutions

- Banks

- Small and medium businesses

ADMISSION REQUIREMENTS

Academic Requirements

- Diploma or degree in computer science, information technology, software engineering, or a related discipline

- We will consider applicants with a combination of partial diploma or degree and relevant work experience.

Additional Requirements

- Transcript and resume review

- **Centennial English Admission Test**

- **English language proficiency**

CO-OP OPTION

The co-op option in this program will provide you with the opportunity to gain hands-on experience while you complete two co-op work term as an employee in the field. This experience not only allows you to put classroom learning into practice, but will also provide valuable contacts for your future career.

To participate in this co-op option, you will need to complete an application process in semester 1. If academically qualified, you may be admitted to the co-op program. Academically qualified students who are accepted into the program will register for the co-op preparation course as scheduled.

Co-op Requirements

- Minimum of 80% of courses completed from semester one

- Completion of COMM160/161 by the end of semester 1 with a C grade (60%) or higher

- A cumulative GPA of 2.5 or higher (this must be maintained for the duration of the program)

- Students must be legally eligible to work in Canada

- Students who meet the above prerequisites will submit their application for co-op to the Career Services & Cooperative Education Department in semester 1

Note: Meeting the minimum co-op program requirements does not guarantee admission into the co-op program.

Co-op Model Route

Fall Semester Intake

Fall	Semester 1
Winter	Semester 2
Summer	Co-op Work Term 1
Fall	Co-op Work Term 2
Winter	Semester 3
Summer	Break
Fall	Semester 4

Winter Semester Intake

Winter	Semester 1
Summer	Semester 2
Fall	Co-op Work Term 1
Winter	Semester 3
Summer	Co-op Work Term 2
Fall	Semester 4

Learn more about co-op programs.

HOW TO APPLY

1. Apply Online

Domestic Students

If you are applying through the Better Jobs Ontario Program, please apply at the Employment Training Centre (Progress Campus). The Better Jobs Ontario Program is a funding initiative for those who have been laid-off and are in need of training. For more information go to **Better Jobs Ontario Program**.

If you have previously attended a full-time program at Centennial College, you may be eligible for a Program Transfer. Visit **Enrolment Services** at any Campus for information.

All other applicants must apply online at **Ontariocolleges.ca**. A non-refundable application fee of $150 must accompany applications. The fee is payable online, by telephone, online banking, by mail, or in-person to Ontariocolleges.ca. For more information go to **Ontariocolleges.ca Application Fees**.

International Students

 Apply directly to Centennial College here.

2. Submit Documents

Domestic Applicants

Current Ontario high school students and graduates from Ontario high schools: Notify your guidance counsellor that you have applied to college and your school will forward transcripts to Centennial College via Ontariocolleges.ca.

Graduates of college/university, or high school outside Ontario but within Canada: You are responsible for requesting that your educational institute sends any required documents and transcripts to Ontariocolleges.ca.

Domestic applicants who attended school outside of Canada: If you are submitting transcripts to meet admission requirements, you must have the transcripts assessed by an independent credential assessment agency such as World Education Services (WES) or International Credential Assessment Service (ICAS). For more information go to **Submitting your Transcripts**.

International Applicants

Please refer to the **International Education Application Guide**.

3. Confirm Your Offer of Admission

Offers of Admission are sent by mail to eligible applicants. When you receive your offer, you must login to your account at **Ontariocolleges.ca** and confirm before the Deadline to Confirm noted in your offer letter.

You may confirm only one college and one program offer at a time.

You must confirm your offer by the Deadline to Confirm noted in your Offer of Admission letter or your seat may be given to another applicant.

When you confirm your Offer of Admission at Centennial College you are given access to your personal **myCentennial** account where you can check your email, grades, register for courses, pay tuition fees, and see your class timetable.

4. Pay Fees

Centennial fees statements are sent by email to your personal email account and to your myCentennial email account. **Fees statements are not mailed**.

You must make a minimum payment by the Fees Deadline noted in your Fees Statement or your seat may be given to another applicant.

5. Build Your Timetable (Register for Courses)

Build your timetable (web-register for courses) at **my.centennialcollege.ca**.

Fall registration begins mid-July
January registration begins mid-December
May registration begins mid-April

Your web-registration will not open if:

You have not submitted your minimum fee payment by the deadline
You received a Conditional Offer of Admission and you have not met the conditions of your offer.

Once you have paid your fees or have made appropriate arrangements, register for your courses online through **myCentennial**.

TUITION AND FEES

Fees noted below are estimates only. Tuition is based on two semesters, beginning Fall 2025.

Student	Tuition (2 Semesters)	Ancillary Fees	Total
Canadian	$2,721.00	$1,383.33	$4,104.33
International	$18,254.00	$1,881.28	$20,135.28

TECHNOLOGY REQUIREMENTS

Technology Requirements

This program is part of the BringIT initiative, which means students taking it will need to be able to consistently access and use a mobile computing device that meets or exceeds the program's recommended hardware requirements.

Students with Accessibility Needs: If you require accommodations for a documented disability, please consider your adaptive technology needs when you select a device for your program. If you want to access disability services, you can make an appointment with the Centre for Accessible Learning and Counselling Services, by calling 416-289-5000 ext. 3850, or by email at **calcs@centennialcollege.ca**.

Want to know more? Check out Frequently Asked Questions for our BringIT Program.

Students from this program will need to have consistent access to the following:

- **Windows PC Laptop:**

    - 13 inch screen, FHD resolution;

    - 16GB RAM;

    - 512GB SSD HD;

    - Intel core i7 (6 Gen or later) or equivalent; USB+HDMI Ports; Windows 10th Ed. OS, X-64 Bases Processor

- **Recommended:**

    - Built-in Ethernet Port Audio/Mic combo;

    - A Solid State Drive (SSD);

    - A laptop with a battery life of 3hrs or better;

    - 15 inch Touch Screen

Please note: MacBooks and Chromebooks are NOT acceptable alternatives. Some subjects may require additional devices such as an external hard drive. In addition to the computer specifications listed above, internet access, a web-cam, microphone and speakers are needed.

Minimum Internet Requirement:

You will need regular access to a computer with an internet connection. High-speed broadband access (LAN, Cable or DSL) with minimum 50mbps download speed is highly recommended.

ClassAPPs 2.0

Students are invited to use Centennial College's ClassAPPs 2.0, an all-in-one system that lets you use all of the digital tools you need to complete your college courses from the comfort of

your own home, at any time, instead of finding the time to head for a computer lab. Any student can use the ClassAPPs 2.0 system with any modern, HTML5 enabled web browser, like Chrome, Edge or Firefox. Just log in to the service with the same ID and password you use to get into a College PC, and you instantly gain access to cloud-based software, and other learning resources.

PROGRAM VOCATIONAL LEARNING OUTCOMES

Program Vocational Learning Outcomes

Program Vocational Learning Outcomes describe what graduates of the program have demonstrated they can do with the knowledge and skills they have achieved during their studies. The outcomes are closely tied to the needs of the workplace. Through assessment (e.g., assignments and tests), students verify their ability to reliably perform these outcomes before graduating.

1. Identify, analyze, design, develop, implement, verify, and document the requirements for a computing environment.

2. Diagnose, troubleshoot, document, and monitor technical problems using appropriate methodologies and tools.

3. Analyze, design, implement, and maintain secure computing environments.

4. Analyze, develop, and maintain robust computing system solutions through validation testing and industry best practices.

5. Communicate and collaborate with team members and stakeholders to ensure effective working relationships.

6. Select and apply strategies for personal and professional development to enhance work performance.

7. Apply project management principles and tools when responding to requirements and monitoring projects within a computing environment.

8. Adhere to ethical, social media, legal, regulatory, and economic requirements and/or principles in the development and management of computing solutions and systems.

9. Investigate emerging trends to respond to technical challenges.

10. Analyze and define the specifications of a software system based on requirements engineering processes and techniques.

11. Design, develop, integrate, document, implement, maintain, and test software systems based on software engineering methodologies, modern programming paradigms, and frameworks.

12. Analyze, evaluate, and apply software engineering design techniques, data structures, algorithms, and patterns to the implementation of a software system.

13. Design, model, implement, optimize, and maintain a database and apply data mining concepts and tools for decision making.

14. Develop, maintain, and deploy software systems to resolve networking issues.

15. Build automated software solutions through the analysis, evaluation, and integration of intelligent systems into various applications.

16. Design and implement appropriate testing, verification, and evaluation procedures to assess software quality and improve software performance.

17. Create innovative and entrepreneurial concepts that lead to the development of new software products and/or the enhancement of existing ones.

ADVISING

https://www.centennialcollege.ca/student-life/student-services/centennial-advising-and-pathways-services/

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