Artificial Intelligence Development and Applications

Ontario College Graduate Certificate | 2 years | Co-op
Trafalgar Road Campus (Oakville)

Scan here

Design, develop and implement artificial intelligence solutions.

Become a skilled AI professional

Help fill Canada's need for skilled professionals who can build and operate artificial intelligence (AI) systems. This program will teach you core technical skills in AI and machine learning, and how to create solutions to real-world problems. You'll also learn how to apply those solutions in ethical ways that protect people and businesses.

Learn about many areas of AI and data science

In your first semester, you'll study the basics of data analysis and AI principles. You'll then build on that knowledge with advanced skills in programming, data analysis, AI model development, machine learning, data visualization and more. This program also integrates other disciplines such as cloud computing and Internet of Things (IoT) systems, preparing you to work in a broad range of industries.

Hands-on experiences that make you job-ready

Gain experience and build industry connections before you graduate. Apply your skills through class projects solving real-world problems, and practice integrating AI systems with business workflow through a capstone project. You'll then spend your final semester completing a mandatory work-integrated learning experience (co-op work term or workplace simulation) to help you understand industry demands and expectations.

Career opportunities

Sheridan's AI Development and Applications program includes courses in many different areas of AI and data science, preparing you for a broad range of roles.

You might find employment in such positions as:

- AI System Developer
- AI System Designer
- Data Scientist
- Business Intelligence Analyst
- Machine Learning Engineer
- Business Transformation Consultant

Courses

Some of the courses you can expect to take in your program

- Python Programming for AI
- AI and Natural Languages
- Big Data Analysis and Storage
- Data Visualization
- Ethics and Responsible AI
- Neural Networks & Deep Learning

How to apply:
5 easy steps

1 Find your program

2 Check the admission requirements

3 Apply online

4 Submit your documentation

5 Accept your offer

Ready to get started?

sheridancollege.ca/apply

International students

Find out more about...

- Post-graduation work permit (PGWP) eligibility
- Admission requirements
- English language proficiency requirements
- Fees and financial aid
- Provincial Attestation Letters (PALs)

sheridancollege.ca/international

Admission requirements

This program is currently only available to international students.

Program eligibility

Postsecondary diploma, advanced diploma, or degree in information technology, computer science or equivalent fields.

or

Demonstrated competence through educational experience and/or related work experience.*

Applicant selection

*Applicants who apply with an unrelated postsecondary credential or work experience will need to submit extra information that outlines how you are prepared for this program. The details of this submission and how to submit can be found in your applicant portal.

Applicants who do not meet the admission requirements for this program will be assessed and advised individually and may be considered for other, related programs.

International applicants

- Official postsecondary transcripts, indicating courses completed to date, and credential must be submitted at the time of application. In case the transcripts/certificates are not in English, note that these documents must be accompanied by a notarized, official translation into English. Translated copies must also be accompanied by a copy of the original transcript.
- International applicants need to follow the international application process.

English language proficiency

All applicants whose first language is not English must meet Sheridan's English proficiency requirements.

Refer to the website for full admission requirements.