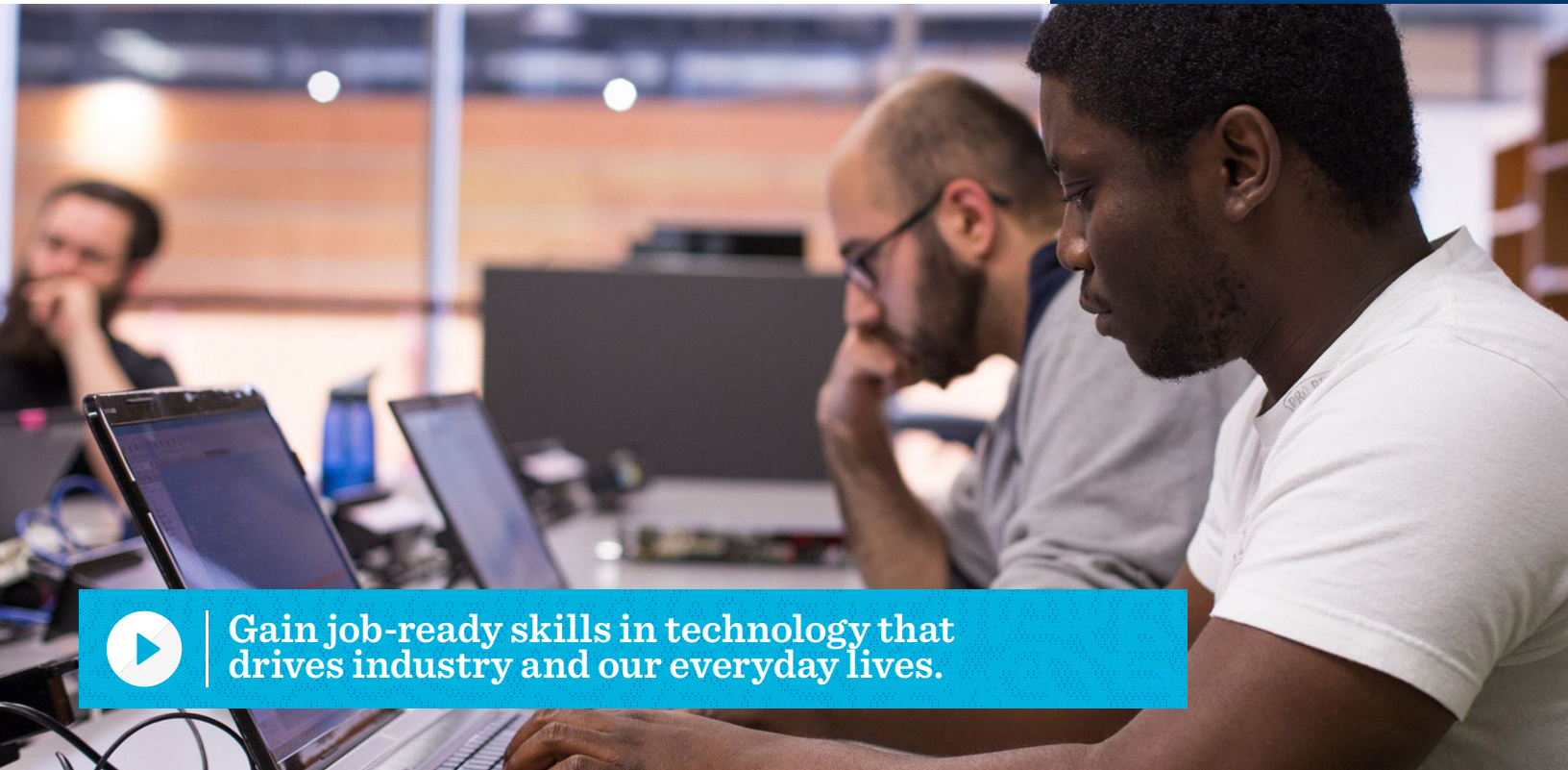


FACULTY OF APPLIED SCIENCE & TECHNOLOGY

Internet of Things and Machine Intelligence

Our program offers Canada's best undergraduate level preparation for an Internet engineering career.



Gain job-ready skills in technology that drives industry and our everyday lives.

Gain skills in an emerging technology

Use of Internet of Things (IoT) devices is projected to triple by 2030 as industry and individuals become more reliant on smart technology. Learn how to build and maintain equipment that makes our world better, safer and more efficient. You'll study concepts that are pillars of the Industry 4.0 revolution, including artificial intelligence, sensors, robotics, cybersecurity and cloud computing.

Understand all three aspects of IoT systems

Sheridan's Internet of Things and Machine Intelligence certificate is the first program of its kind in Ontario to cover each of the three aspects of intelligent IoT systems:

- Machines and devices that collect and process data
- Networks and systems that allow devices to communicate
- Artificial intelligence algorithms that allow these systems to make intelligent actions

Hands-on training led by industry experts

Learn to work with industry-standard equipment and technology. Our dynamic mix of labs, case studies, project work and other interactive assessments is designed to prepare you for real-world environments. You'll be supported by professors who not only hold PhD and PEng credentials but also have extensive experience working in IoT and automation.

Admission Requirements

Program Eligibility

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

Applicants applying with a degree in science will be reviewed on a case-by-case basis.

Applicant Selection

Candidates to the program are selected on the basis of academic achievement.

Individual applicants outside of the fields identified may be selected on the basis of postsecondary academic achievement and related work experience (as determined by the college).

Domestic applicants with education outside of Canada must have their transcripts assessed for equivalency through ICAS or WES. A general (document-by-document) or a comprehensive (course-by-course) assessment is required. There may be exceptions as determined by the college.

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.

English Language Proficiency

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

Equivalent fields

Postsecondary programs eligible for admission include but are not limited to:

- Aviation Engineering Technician/Technology
- Aviation Fundamentals
- Aviation Maintenance Technician/Technology
- Bachelor of Applied Computer Science
- Bachelor of Applied Information Sciences
- Bachelor of Applied Technology (Biotechnology/ Computer/ Informatics/ Manufacturing/ Security/ Software Development)
- Bachelor of Computer Science
- Bachelor of Data Science and Analytics
- Bachelor of Engineering (Electrical/ Mechanical/ Power Systems)
- Big Data Analytics
- Biotechnology
- Building Automation System Operations
- Computer Engineering Technician/Technology
- Computer Foundations
- Computer Programming / Programmer
- Computer Programming and Analysis
- Computer Networking and Technical support
- Computer Repair and Maintenance
- Computer Systems Technician/Technology
- Digital Design – Game Design
- Electromechanical Engineering Technician/Technology
- Electronics Engineering Technician/Technology
- Embedded Systems Development
- Enterprise Database Management
- Industrial Automation

Career Opportunities

Cloud Computing Analyst

Data Analytics Specialist

Information Security Analyst

IoT Engineering Specialist

IoT Operations Specialist

Production Coordinator

Project Manager

Courses

SOME OF THE COURSES YOU CAN EXPECT TO TAKE IN YOUR PROGRAM

Artificial Intelligence Applications

Cyberspace Security

Networking and Communications

Robotic and Vision Systems

Sensors and Actuators

Smart Factory and Intelligent Controls

Note: See website for specific terms and course listings.

More information



Website:
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There's no better way to get a sense of Sheridan than with a personal visit. Book a tour and see for yourself!



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