CAA - Cloud Architecture & Administration

Version 44
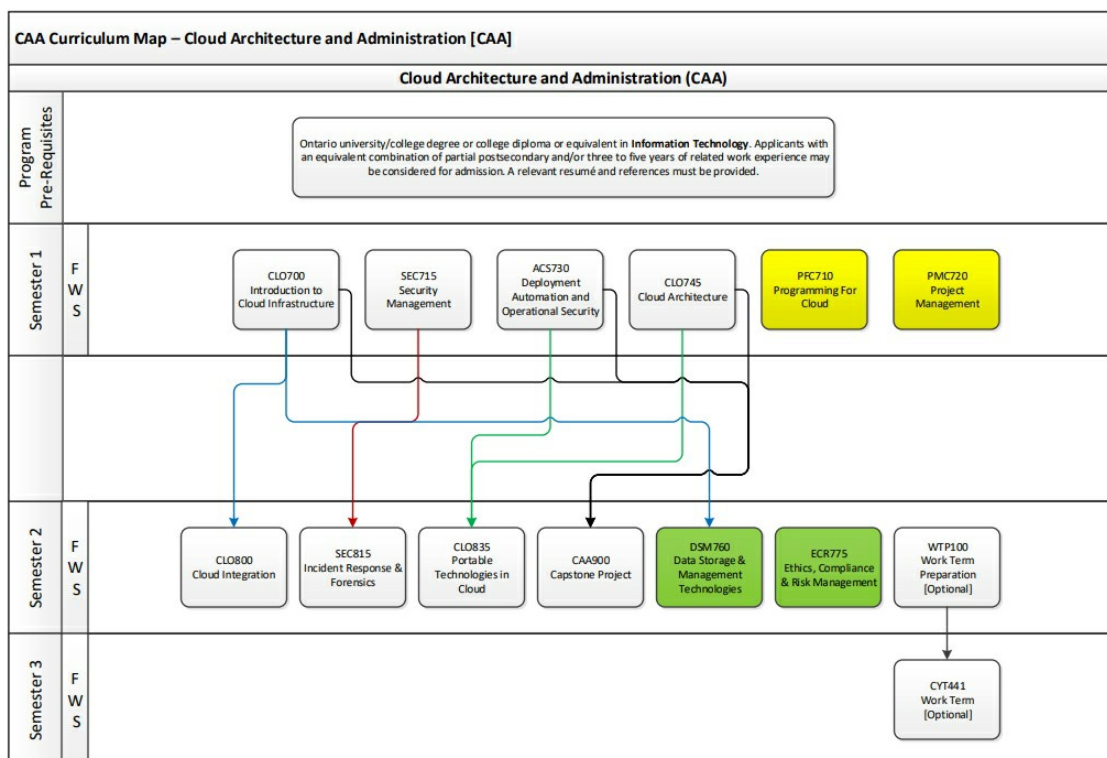
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Program Overview:

The Cloud Architecture & Administration graduate certificate program will provide you with the knowledge and skills to become an essential part of a modern information technology (IT) team. You will learn how to effectively and securely integrate IT infrastructure, including cloud services, Internet of things devices, and traditional on-premises equipment. You will also develop an understanding of potential issues with privacy and the law and how to mitigate those risks. During the program, you will gain essential leadership and management skills, providing opportunities for you to advance in your career.

Program Code:	CAA
Credential Awarded:	Graduate Certificate
Campus:	Newnham
Duration:	2 academic semesters (8 months)
Start Dates:	Fall, Winter *Start dates are subject to change*

Program Map:

Program Curriculum and Pre-Requisite Planner

PDF of Program Map

Program Learning Outcomes:

The graduate has reliably demonstrated the ability to:

- Create secure micro-service solutions to support the virtual infrastructure and application development needs of the client.

- Deploy hybrid cloud environments to respond to rapidly changing business requirements.

- Design and implement fault tolerant solutions within cloud computing platforms to maximize the availability and reliability of services.

- Create automated processes to provide accurate, efficient, and adaptable solutions to constantly changing business environments.

- Assess industry standard security practices to design solutions that address issues.

- Assess the viability of developing, deploying, maintaining and securing computing solutions utilizing a variety of resiliency testing.

- Evaluate IT practices and solutions to ensure governance and legal compliance.

- Apply basic project management principles to identify project goals, costs, constraints and deliverables resulting in project success.

Optional Work Term:

Students meeting all academic requirements may have the opportunity to complete an optional work term(s) in a formal work environment. The work term(s) is similar in length to an academic semester and typically involves full-time work hours that may be paid or unpaid. In programs with limited work term opportunities, additional academic requirements and a passing grade on a communication assessment may be required for eligibility. Eligibility for participation does not guarantee a work position will be secured. Additional fees are required for those participating in the optional work term stream regardless of success in securing a work position.

• Successful completion of all first-semester required courses

• A minimum semester GPA of 3.5*

• Students must be in good academic standing

*Note: These are the minimum requirements only to apply and do not automatically confirm acceptance. This program is over-subscribed with limited spots available. GPA will be much higher.

When to apply?
Semester 1 (Fall, Winter)

An optional work-integrated learning experience will offer an opportunity to expand your learning and apply skills to real-life work settings. You will also work on a capstone project that integrates knowledge and skills obtained throughout the program.

	Semester 1	*Semester 2*	*Semester 3*
Year 1	Study Term 1	Study Term 2	Work Term

For more information regarding your optional WIL term, please contact your respective **Student Adviser.**

Admissions Requirements for Future Students:

- Ontario university/college degree or college diploma or equivalent in Information Technology. Applicants with an equivalent combination of partial post secondary and/or three to five years of related work experience may be considered for admission. A relevant resume and references must be provided.

- **English proficiency** for graduate certificates

Canadian citizens or permanent residents educated outside of Canada must provide a World Education Services (WES) or ICAS Canada credential evaluation.

More Information About This Program

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tags : caa, gradcert