CPA Programming

Version 2

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Program Code:	CPA
Credential Awarded:	Advanced Diploma
Campus:	Newnham & Seneca International Academy, Markham
Duration:	3 years (6 academic semesters)
Starts In:	September, January, and May

ACADEMIC YEAR 2022-23 >

Program Learning Outcomes:

As a graduate, you will be prepared to reliably demonstrate the ability to:

- Identify, analyze, design, develop, implement, verify and document the requirements for a computing environment.
- Diagnose, troubleshoot, document and monitor technical problems using appropriate methodologies and tools.
- Analyze, design, implement and maintain secure computing environments.
- Analyze, develop and maintain robust computing system solutions through validation testing and industry best practices.
- Communicate and collaborate with team members and stakeholders to ensure effective working relationships.
- Select and apply strategies for personal and professional development to enhance work performance.
- Apply project management principles and tools when responding to requirements and monitoring projects within a computing environment.
- Adhere to ethical, social media, legal, regulatory and economic requirements and/or principles in the development and management of the computing solutions and systems.
- Investigate emerging trends to respond to technical challenges.
- Gather, analyze and define software system specifications based on functional and non-functional requirements.
- Design, develop, document, implement, maintain and test software systems by using industry standard software development methodologies based on defined specifications and existing technologies/frameworks.
- Select and apply object-oriented and other design concepts and principles, as well as business requirements, to the software development process.
- Gather requirements and model, design, implement, optimize, and maintain data storage solutions.
- Integrate network communications into software solutions by adhering to protocol standards.

Degree Pathway Options:

Transfer Pathway into BSD: Honours Bachelor of Technology - Software Development

Transfer Pathway into BTM: Honours Bachelor of Commerce - Business Technology Management

Transfer Pathway into DSA: Honours Bachelor of Data Science and Analytics

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Further Information About This Program from Seneca's Website

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