

Part-time Program Delivery Schedule  
**Computer Programming (CMPG)**  
**Ontario College Diploma**  
 Fall 2023 / Winter 2024 / Summer 2024

Graduation Requirements: 18 Program Courses, 1 Program Option Course, 2 Communication Courses, 3 General Education Courses, 1 Co-op Work Term

Part-time students should try to follow the recommended sequencing for courses listed below. If you have questions about which courses to take, please contact the Program Coordinator listed in this document.

Recommended Course Sequence			Available Online
Semester	Course Code	Course Name	
Sem 1	COMP1030	Programming Fundamentals	Y
Sem 1	COMP1002	HTML, CSS, and JS Fundamentals	
Sem 1	COMMxxxx	<a href="#">Communications Course</a>	Y
Sem 1	COMP1035	Networking Essentials	Y
Sem 1	COMP1045	Internet of Things using Arduino	
Sem 1	MATH1003	Math for the Computer Industry	
Sem 2	COMP1006	Introduction to Web Programming using PHP <i>(pre-requisites: COMP1002 and (COMP1030 or COMP1045))</i>	Y
Sem 2	COMP2003	Relational Database	Y
Sem 2	COMP1054	Interface Design Using CSS <i>(pre-requisite: COMP1002)</i>	
Sem 2	COMP1008	Introduction to Object Oriented Programming using Java <i>(pre-requisite: COMP1030)</i>	Y
Sem 2	COMP1112	Document Automation Using Python	
Sem 2	COMMxxxx	<a href="#">Communications Course</a>	Y
Sem 3	COMP2139	Cloud Computing Services	
	CPHR0001	Co-op preparation – mandatory course for co-op** this course must be completed 2 semesters PRIOR to COOP1059**	Y
Sem 3	COMP1011	Advanced Object-Oriented Programming using Java <i>(pre-requisite: COMP 1008)</i>	Y
Sem 3	COMP1073	Client-Side JavaScript <i>(pre-requisites: COMP 1002 and COMP1030)</i>	Y
Sem 3	COMP2084	Server-Side Scripting using ASP.NET <i>(pre-requisite: COMP1006)</i>	Y
Sem 3	ENTR1002	Introduction to Entrepreneurship	Y
Sem 3	GNEDxxxx	<a href="#">General Education Course</a>	Y
Sem 4		Program Option Course	
Co-op	COOP1059	Computer Programmer Work Term 1	
Sem 4	COMP2068	JavaScript Frameworks <i>(pre-requisites: COMP1006 or COMP1101)</i>	Y
Sem 4	COMP3025	Mobile and Pervasive Computing <i>(pre-requisites: COMP1011)</i>	Y
Sem 4	GNEDxxxx	<a href="#">General Education Course</a>	Y
Sem 4	COMP2140	Systems Analysis and Project Management	
Sem 4	GNEDxxxx	<a href="#">General Education Course</a>	Y

\*\*\*\* Note – schedule subject to change \*\*\*\*

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***CMPG Program option course may include:***

COMP1046 Windows System Administration	COMP2018 Linux System Administration
COMP1009 The Mainframe Environment	COMP2021 Data Structures and Algorithms ( <i>p: COMP1008</i> )
COMP1070 Computer Virtualization	COMP2070 Programming for the Mainframe
COMP2006 Introduction to C++	COMP2131 Cloud Computing
COMP2125 Mobile Development Using Swift	COMP2099 Introduction to Data Analytics
COMP3002 Advanced Databases	COMP3023 Game Simulation and Programming
COMP3026 Application Security Programming	COMP3033 Web Frameworks and APIs
COMP3037 Introduction to AI	

### **Online Equivalents**

Online equivalents are offered through OntarioLearn. Please use the “OntarioLearn equivalencies” pdf document found on the webpage for a listing of available online courses:

<https://www.georgiancollege.ca/academics/part-time-studies/programs/computer-programming-cmpg/>

### **Questions?**

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