

Part-time Program Delivery Schedule  
**Computer Programming (CMPG)**  
**Ontario College Diploma**  
 Fall 2021 / Winter 2022 / Summer 2022

Graduation Requirements:

16 Program Courses	1 Program Course selected from Group 1
1 Program Option Course	1 Program Course selected from Group 2
3 General Education Courses	2 Communications Courses
2 Co-op Work Terms	

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	COMP1035	Networking Essentials	Y
Sem 1	COMP1045	Internet of Things using Arduino	
Sem 2	COMP1006	Introduction to Web Programming using PHP <i>(pre-requisites: COMP1002 and (COMP1030 or COMP1045))</i>	Y
Sem 2	COMP2003	Relational Database	
Sem 2	COMP1098	.NET Programming using C#	Y
Sem 1	COMMxxxx	<a href="#">Communications Course</a>	Y
Sem 2	COMP1008	Introduction to Object Oriented Programming using Java <i>(pre-requisite: COMP1030)</i>	Y
Sem 1	MATH1003	Math for the Computer Industry	
	CPHR0001	Co-op preparation – mandatory course for co-op** this course must be completed 2 semesters PRIOR to COOP1005**	Y
Sem 2	ENTR1002	Introduction to Entrepreneurship	Y
Sem 2	COMMxxxx	<a href="#">Communications Course</a>	Y
Co-op	COOP1005	Computer Programmer Work Term 1	
Sem 3	COMP1009	The Mainframe Environment	
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	COMP3002	Advanced Databases <i>(pre-requisite: COMP 2003)</i>	
Sem 4		Program Course Selected from Group 1 (see next page)	
Co-op	COOP2002	Computer Programmer Work Term 2	
Sem 4	COMP2068	JavaScript Frameworks <i>(pre-requisites: COMP1006 or COMP1011)</i>	Y
Sem 4		Program Course Selected from Group 2 (see next page)	Y
Sem 3	GNEDxxxx	<a href="#">General Education Course</a>	Y
Sem 4	GNEDxxxx	<a href="#">General Education Course</a>	Y
Sem 4		Program Option course (see list during registration – some courses listed on next page)	
Sem 4	GNEDxxxx	<a href="#">General Education Course</a>	Y

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

## Part-time Program Delivery Schedule

**Computer Programming (CMPG)**
**Program Courses – Group 1 (take 1)**

COMP2125 Mobile Development Using Swift  
 COMP3025 Mobile and Pervasive Computing

**Program Courses – Group 2 (take 1)**

COMP2005 Systems Analysis  
 MGMT2008 Project Management for Information Technology

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

COMP1046 Windows System Administration	COMP2018 Linux System Administration
COMP1054 Interface Design Using CSS ( <i>p:COMP1002</i> )	COMP2021 Data Structures and Algorithms ( <i>p: COMP1008</i> )
COMP1070 Computer Virtualization	COMP2070 Programming for the Mainframe
COMP2006 Introduction to C++	COMP2131 Cloud Computing

**Online Equivalents**

In-class	Online equivalent
COMP1006 Introduction to Web Programming using PHP	COMP1101 Dynamic Websites with AMP (ODE)
COMP1008 Introduction to Object Oriented Programming using Java	COMP1069 Java Intermediate (ODE)
COMP1030 Programming Fundamentals	COMP1043 Java Introduction (ODE)
COMP1011 Advanced Object Oriented Programming using Java	COMP2065 Java Advanced (ODE)
COMP1035 Networking Essentials	COMP1081 Networking Fundamentals (ODE)
COMP1073 Client-Side JavaScript	COMP1105 JavaScript (ODE)
COMP1098 .NET Programming using C#	COMP3029 Introduction to C# Programming (ODE)
COMP2084 Server-Side Scripting using ASP.NET	COMP2134 Web Application Development with ASP.NET and C# (ODE)
COMP2125 Mobile Development using Swift	COMP2133 iPhone Application Development (ODE)
ENTR1002 Introduction to Entrepreneurship	ENTR1005 Entrepreneurship (ODE)
MGMT2008 Project Management for Information Technology	MGMT2027 Intro to Project Management (ODE)

**Questions?**

Computer Programming Diploma Coordinator

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