

Computer Programming and Analysis (T177) 2024-20245 PATHWAY			
Semester 1: Fall 2024 or Winter 2025			Delivery
Course Code	Course Title	Pre-Requisite	Hrs/wk
COMP 1151	IT Essentials		4
COMP 1236	Fundamentals of Computing Logic		4
COMP 1234	Introduction to web development		4
GSSC 1027	Personal Finance		3
MATH 1162	Mathematics for Computer Technology I		4
COMM 2000*	Communicating Across Contexts		3
		Total Hours	22
*Depending on the results of your placement test, you may be required to take Introduction to College Communication: COMM 1000 before progressing to COMM 2000. Students placed in COMM 1000 will be charged extra tuition. Please visit the Assessment Centre for further information http://assessment.georgebrown.ca/			
Semester 2: Winter 2025 or Summer 2025			
Course Code	Course Title	Pre-Requisite	Hrs/wk
COMP 1168	Database Management		4
COMP 1202	Object Oriented Programming	COMP 1236	4
COMP 1235	Introduction to full-stack development	COMP 1234	4
COMP 3044	Linux Essentials		3
MATH 1172	Mathematics for Computer Technology II	MATH 1162	4
GNED	General Education Elective (Select One)		3
		Total Hours	22
Semester 3: Fall 2025			
Course Code	Course Title	Pre-Requisite	Hrs/wk
COMP 1230	Advanced Web Programming	COMP 1235	4
COMP 2129	Advanced Object Oriented Programming	COMP 1202	4
COMP 2130	Application Development Using Java	COMP 1202	4
COMP 2147	System Analysis, Design and Testing	COMP 1235	4
COMP 2138	Advanced Database Development	COMP 1168	4
GNED	General Education Elective (Select One)		3
		Total Hours	23
Semester 4: Winter 2026			
Course Code	Course Title	Pre-Requisite	Hrs/wk
COMP 2080	Data Structures and Algorithms	COMP 2130	4
COMP 2151	Agile Software Development	COMP 2147	4
COMP 2148	Professional workplace competencies	COMM 2000	3
COMP 2139	Web Application Development	COMP 1230	4
COMP 2152	Open Source Development	COMP 1230	4
		Total Hours	19
Semester 5: Fall 2026			
Course Code	Course Title	Pre-Requisite	Hrs/wk
COMP 3059	Capstone Project I	COMP 2151 and COMP 2139	4
COMP 3104	DEVOPS	COMP 3044	3
COMP 3074	Mobile Application Development I	COMP 2130	4
COMP 3095	Web Application Development Using Java	COMP 2080	4
COMP 3122	Applied Data Science	COMP 2152	4
COMP 3123	Full Stack Development I	COMP 2139	4
		Total Hours	23
Semester 6: Winter 2027			
Course Code	Course Title	Pre-Requisite	Hrs/wk
COMP 3078	Capstone Project II	COMP 3059	5
COMP3134	Introduction to Cyber Security	COMP 3104	4
COMP 3097	Mobile Application Development II	COMP 3074	4
COMP 3133	Full Stack Development II	COMP 3123	4
COMP 3132	Applied Machine Learning	COMP 3122	4
		Total Hours	21
PATHWAY SUBJECT TO CHANGE			