MODEL ROUTE										
	School of Engineering Technology and Applied Science	Program Number:		3518						
Program Title:		Credential:		☐ Certificate ☐ Graduate Certificate ☐ Diploma ☐ Advanced Diploma						
Program Delivery Mode:	✓ Co-Op ☐ Online ☐ Hybrid ☐ Non Co-op	Duration :		□ 1 Semesters □ 4 Semesters □ 2 Semesters □ 6 Semesters □ 3 Semesters □ 8 Semesters						
Campus:	PROGRESS	Department Code:	3515							
Intake:	Fall 2022 and Winter 2023									
Course Code	Course Title	Co/Pre Requisite (Course Code)	Lab Hours	Lecture Hours	Field Placement Hours	Course Delivery ODL=Online BLD=Blended HYB = Hybrid	Total Course Hrs (Lab + Lecture + Field)	Weeks (14)	Total Hours	
	Fall 2022 or Winter 2023									
	College Communications 1			3			3	14	42	
	Programming 1 Software Engineering Fundamentals		2				4	14 14	56 56	
	Web Interface Design		4				4	14	56	
	General Education Elective			3			3	14	42	
MATH175	Functions and Number Systems		1	2			3	14	42	
								Total	294	
Semester 2	Winter 2023 or Summer 2023		T	1		T	1			
	College Communications 2	P=COMM160 or COMM161		3			3	14	42	
	Introduction to Database Concepts		2				4	14	56	
COMP123	0 0	P=COMP100	2	2			4	14	56	
COMP125	Client-Side Web Development	P=COMP100 and COMP213	2	2			4	14	56	
COMP225�	Software Regulirements Engineering	P=COMP100, and, COMP120 or COMP391	2	2		НҮВ	4	14	56	
COMP301	UNIX/Linux Operating Systems	P=COMP100	2	2			4	14	56	
COMP380�	Structure of HCIS	P=COMP120	2	2		НҮВ	4	14	56	
								Total	378	
Break	Summer 2023									
Jennester J	Fall 2023	D COMMINS			T	T	4	1.1	F.C.	
COMP214		P=COMP122 P=COMP123 and	2	2			4	14	56	
COMP229	Web Application Development	COMP125	2	2			4	14	56	
COMP246	Software Systems Design	P=COMP123 and COMP225	2	2			4	14	56	
COMP381	Tools, Algorithms and Methods for HCIS	C=COMP214; P=COMP123	2	2			4	14	56	
COOP321/421�	Employment Preplacement	P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1	14	14	
(3NE1)5()()	Global Citizenship: from Social Analysis to Social Action			3			3	14	42	
MATH185	Discrete Mathematics		1	2			3		42	
								Total	322	
Work Term 1	Winter 2024									
COOP222	Co-op Work Placement 1									
Semester 4	Summer 2024									
	Programming 3	P=COMP123	2	2			4	14	56	
00									50	

COMP311	Software Testing and Quality Assurance	P=COMP123	2	2		4	14	56
COMP387�	Clinical Workflow and IT Solutions		2	1	ODL	3		42
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3		3	14	42
MATH210	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2		4	14	56
							Total	308
Work Term 2	Fall 2024							
COOP331	Co-op Work Placement 2							
Semester 5	Winter 2025							
CNET307�	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2	ODL	3	14	42
COMP216	Networking for Software Developers	P=COMP100	2	2		4	14	56
COMP231�	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2	2	НҮВ	4	14	56
COMP254	Data Structures and Algorithms	P=COMP228	2	2		4	14	56
COMP304	Mobile Apps Development	P=COMP228	2	2		4	14	56
COMP321�	Enterprise Systems Integration	P=COMP246	2	2	НҮВ	4	14	56
							Total	322
Work Term 3	Summer 2024	1						
COOP332	Co-op Work Placement 3							
	- w							
Semester 6	Fall 2024							
COMP255�	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3		ODL	3	14	42
COMP309	Data Warehousing and Predictive Analytics	P=COMP214	2	2		4	14	56
COMP313�	Software Development Project 2	P=COMP231 and COMP303 and COMP304, or, COMP231 and COMP231 and COMP231 and COMP305 and COMP305 and COMP391, or, COMP246 and COMP258	2	2	НҮВ	4	14	56
COMP383	Data Security and Privacy Policies in HCIS	P=COMP380	2	2		4	14	56
COMP384 <b>♦</b>	Telehealth	P=COMP381	2	2	ODL	4	14	56
GNED	General Education Elective			3		3	14	42
							Total	308
Minimum Grade	Required: D							
					1	otal Progr	am Hours:	1932
C = Co-Requisite; P	= Pre-Requisite							
Notes:								
◆This course ma	y be offered in one of the following m	odalities (Online, Hybri	d or Blend	ed)				

2

P=COMP123

2

56

14

Java Programming

COMP228