MODEL ROUTE										
School:	School of Engineering Technology and Applied Science	Program Number:		3459						
Program Title:	Software Engineering Technology Co-op, Fast Track	Credential:		□ Certificate       □ Degree         □ Diploma       □ Advanced Diploma       □ Centennial College Certificate						
Program Delivery Mode:	Co-Op  Solution  Co-Op  Solution  Co-Op  Solution  Co-Op  Solution  Solutio	Duration :		□ 1 Semesters       □ 4 Semesters         □ 2 Semesters       □ 6 Semesters         □ 3 Semesters       □ 8 Semesters						
Campus:	ONLINE	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	
Semester 3	Fall 2022 or Winter 2023		1							
COMM170/171 🗞	College Communications 2	P=COMM160 or COMM161		3		ODL	3	14	42	
COMP123 🗞	Programming 2	P=COMP100	2			ODL	4	14	56	
COMP214	Advanced Database Concepts	P=COMP122	2			ODL	4	14	56	
COMP228 🗞	Java Programming	P=COMP123	2	2		ODL	4	14	56	
COMP246 🗇	Software Systems Design	P=COMP123 and COMP225	2			ODL	4	14	56	
GNED 🗞	General Education Elective			3		ODL	3	14	42	
GNED500�	Global Citizenship: from Social Analysis to Social Action			3		ODL	3	14 Total	42	
Semester 4	Winter 2023 or Summer 2023							. otal	330	
COMP212 �	Programming 3	P=COMP123	2	2		ODL	4	14	56	
COMP229 🔶	Web Application Development	P=COMP123 and COMP125	2	2		ODL	4	14	56	
COMP254 🗇	Data Structures and Algorithms	P=COMP228	2	2		ODL	4	14	56	
COMP304�	Mobile Apps Development	P=COMP228	2	2		ODL	4	14	56	
COMP311 🔶	Software Testing and Quality Assurance	P=COMP123	2	2		ODL	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	
MATH210 🔶	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2		ODL	4	14	56	
								Total	350	
	Summer 2023 or Fall 2023					001				
COOP222 🗞	Co-op Work Placement 1					ODL				
Work Term 2	Fall 2023 or Summer 2024									
COOP331 🗇	Co-op Work Placement 2					ODL				
Semester 5	Winter 2024									
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		ODL	4	14	56	
COMP231�	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2	2		ODL	4	14	56	

COMP303 🗇	Java EE Programming	P=COMP214 and COMP228	2	2		ODL	4	14	56
COMP308�	Emerging Technologies	P=COMP228 and COMP229	2	2		ODL	4	14	56
COMP321	Enterprise Systems Integration	P=COMP246	2	2		ODL	4	14	56
								Total	322
Break	Summer 2024								
Semester 6	Fall 2024								
COMP255�	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3			ODL	3	14	42
COMP306 🔶	API Engineering and Cloud Computing	P=COMP212 and COMP229	2	2		ODL	4	14	56
Comp307 🗇	Software Security	P=COMP212 and COMP228	2	2		ODL	4	14	56
COMP309 🔶	Data Warehousing and Predictive Analytics	P=COMP214	2	2		ODL	4	14	56
COMP313�	Software Development Project 2	P=COMP231 and COMP303 and COMP304, or, COMP231 and COMP381, or, COMP231 and COMP305 and COMP391, or, COMP246 and COMP258	2	2		ODL	4	14	56
ENGL253 🗇	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42
ELECT1	Technical Elective 1		1	2		ODL	3	14	42
								Total	350
Minimum Grade R	Required: D								
							Total Progr	am Hours:	1372
C = Co-Requisite; P =	= Pre-Requisite								
Notes: This course may	/ be offered in one of the following	g modalities (Online, H	ybrid or I	3lended)	)				
Technical Electives:					-				
	DevOps Implementation		2	1	-	ODL	3		42
COMP377�	AI for Software Developers		2	1		ODL	3	14	42
COMP387�	Clinical Workflow and IT Solutions		2	1		ODL	3	14	42