MODEL ROUTE										
School:	School of Engineering Technology and Applied Science	Program Number:	3439							
Program Title:	Software Engineering Technology Co-op, Fast Track	Credential:		□ Certificate □ Graduate Certificate □ Degree □ Diploma □ Advanced Diploma □ Centennial College Certificate					ertificate	
Program Delivery Mode:	✓ Co-Op	Duration :		☐ 1 Seme. ☐ 2 Seme. ☐ 3 Seme.	sters \Box	4 Semesters 6 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	
Semester 3	Fall 2022 or Winter 2023									
COMM170/171	College Communications 2	P=COMM160 or COMM161	_	3			3		42	
COMP123	Programming 2	P=COMP100	2	2			4	14	56	
COMP214 COMP228	Advanced Database Concepts Java Programming	P=COMP122 P=COMP123	2	2			4	14 14	56 56	
COMP246	Software Systems Design	P=COMP123 and COMP225	2	2			4	14	56	
GNED	General Education Elective			3			3	14	42	
GNED500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42	
Semester 4	Winter 2023 or Summer 2023							Total	350	
COMP212	Programming 3	P=COMP123	2	2			4	14	56	
COMP229	Web Application Development	P=COMP123 and COMP125	2	2			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	
COMP311	Software Testing and Quality Assurance	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	
MATH210	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2			4	14	56	
Work Torm 1	Summer 2023 or Fall 2023							Total	350	
Work Term 1 COOP222	Co-op Work Placement 1									
2001 222	CO OP WORK I Idealife. It I									
Work Term 2	Fall 2023 or Summer 2024									
COOP331	Co-op Work Placement 2									
Semester 5	Winter 2024	1								
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	

COMP303	Java EE Programming	P=COMP214 and COMP228	2	2		4	14	56
COMP308	Emerging Technologies	P=COMP228 and COMP229	2	2		4	14	56
COMP321�	Enterprise Systems Integration	P=COMP246	2	2	НҮВ	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		4	14	56
COMP307	Software Security	P=COMP212 and COMP228	2	2		4	14	56
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 COMP381, or, COMP231 and COMP305 and COMP391, or, COMP246 and COMP258	2	2	НҮВ	4	14	56
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3		3	14	42
ELECT1	Technical Elective 1		1	2		3	14	42
							Total	350
Minimum Grade F	Required: D							
						Total Progr	am Hours:	1372
C = Co-Requisite; P	= Pre-Requisite							
	/ be offered in one of the following I	modalities (Online, Hyb	orid or Ble	ended)				
Technical Electives:	5 6 1 1 1 11		_	_		_		
COMP367	DevOps Implementation		2	1		3	14	42

ODL

COMP377

COMP387**♦**

AI for Software Developers

Clinical Workflow and IT Solutions