

MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3439						
Program Title:	Software Engineering Technology Co-op Fast Track	Credential:	<input type="checkbox"/> Certificate	<input type="checkbox"/> Graduate Certificate	<input type="checkbox"/> Degree				
			<input type="checkbox"/> Diploma	<input checked="" type="checkbox"/> Advanced Diploma					
Program Delivery Mode:	<input checked="" type="checkbox"/> Co-Op <input type="checkbox"/> Online <input checked="" type="checkbox"/> Fast Track <input type="checkbox"/> Hybrid <input type="checkbox"/> Non Co-op	Duration :	<input type="checkbox"/> 2 Semesters	<input type="checkbox"/> 3 Semesters					
			<input checked="" type="checkbox"/> 4 Semesters	<input type="checkbox"/> 6 Semesters					
			<input type="checkbox"/> 8 Semesters						
Campus:	Progress								
Intake:	Fall 2019 and Winter 2020								
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 2019 or Winter 2020									
COMM170/171	College Communications 2	P=COMM160/161		3			3	14	42
COMP123	Programming 2	P=COMP100	2	2			4	14	56
COMP214	Advanced Database Concepts	P=COMP122	2	2			4	14	56
COMP228	Java Programming	P=COMP123	2	2			4	14	56
COMP246	Object Oriented Software Engineering	P=COMP123, 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
								Total	350
Semester 4 Winter 2020 or Summer 2020									
COMP212	Programming 3	P=COMP123	2	2			4	14	56
COMP229	Web Application Development	P=COMP123, COMP125	2	2			4	14	56
COMP254	Data Structures and Algorithms	P=COMP228	2	2			4	14	56
COMP304	Mobile Application Development	P=COMP228	2	2			4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2			4	14	56
COOP321 ♦	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, MATH185	2	2			4	14	56
								Total	350
Work Term 1 (Summer 2020 or Fall 2020)									
COOP222	Co-op Work Placement 1								
Work Term 2 (Fall 2020 or Summer 2021)									
COOP331	Co-op Work Placement 2								
Semester 5 Winter 2021									
CNET124	Fundamentals of Computer Networks	P=(CNET101, CNET102) or COMP100 or ETEC116	2	2			4	14	56

CNET307	IT Project Management	P=COMM170/171, CNET229 or COMP225 or ETEC225 or MATH180	1	2		ODL		3	14	42
COMP231	Software Development Project 1	P=COMP228, COMP229, COMP246	2	2				4	14	56
COMP303	Java EE Programming	P=COMP214, COMP228	2	2				4	14	56
COMP308	Emerging Technologies	P=COMP212, COMP228	2	2				4	14	56
COMP321	Systems Integration	P=COMP246, ENGL253	2	2				4	14	56
									Total	322

Break (Summer 2021)

Semester 6 Fall 2021

COMP255	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3			ODL		3	14	42
COMP306	API Engineering and Cloud Computing	P=COMP212	2	2				4	14	56
COMP307	Software Security	P=COMP212, COMP228	2	2				4	14	56
COMP309	Data Warehousing and Data Mining in HCIS	P=COMP214	2	2				4	14	56
COMP313	Software Development Project 2	P= COMP231, COMP381 or (COMP303, COMP306) or (COMP305, COMP391)	2	2		HYB		4	14	56
ENGL253	Advanced Business Communications	P=COMM170/171		3				3	14	42
ELECT1	Technical Elective 1		1	2				3	14	42
									Total	350

Minimum Grade Required: D

Total Program Hours: 1372

C = Co-Requisite; P = Pre-Requisite

Notes:

Technical Electives:

COMP387	Clinical Workflow and IT Solutions		2	1		ODL		3	14	42
COMP397	Web Game Programming	P=COMP123 or COMP225	2	1				3	14	42