

MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3449						
Program Title:	Software Engineering Technology Co-op	Credential:	☐ Certificate ☐ Diploma		☐ Graduate Certificate ☒ Advanced Diploma		☐ Degree ☐ Centennial College Certificate		
Program Delivery Mode:	☒ Co-Op ☒ Online ☐ Fast Track ☐ Hybrid ☐ Non Co-op	Duration :	☐ 1 Semesters ☐ 2 Semesters ☐ 3 Semesters		☐ 4 Semesters ☒ 6 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 1	Fall 2022 or Winter 2023								
COMM160/161	College Communications 1			3		ODL	3	14	42
COMP100	Programming 1		2	2		ODL	4	14	56
COMP120	Software Engineering Fundamentals		2	2		ODL	4	14	56
COMP213	Web Interface Design		4			ODL	4	14	56
GNED	General Education Elective			3		ODL	3	14	42
MATH175	Functions and Number Systems			3		ODL	3	14	42
								Total	294
Semester 2	Winter 2023 or Summer 2023								
COMM170/171	College Communications 2	P=COMM160 or COMM161		3		ODL	3	14	42
COMP122	Introduction to Database Concepts		2	2		ODL	4	14	56
COMP123	Programming 2	P=COMP100	2	2		ODL	4	14	56
COMP125	Client-Side Web Development	P=COMP100 and COMP213	2	2		ODL	4	14	56
COMP225	Software Requirements Engineering	P=COMP100, and, COMP120 or COMP391	2	2		ODL	4	14	56
COMP301	UNIX/Linux Operating Systems	P=COMP100	2	2		ODL	4	14	56
MATH185	Discrete Mathematics			3		ODL	3	14	42
								Total	364
Break	Summer 2023								
Semester 3	Fall 2023								
COMP214	Advanced Database Concepts	P=COMP122	2	2		ODL	4	14	56
COMP228	Java Programming	P=COMP123	2	2		ODL	4	14	56
COMP229	Web Application Development	P=COMP123 and COMP125	2	2		ODL	4	14	56
COMP246	Software Systems Design	P=COMP123 and COMP225	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
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42
GNED500	Global Citizenship: from Social Analysis to Social Action			3		ODL	3	14	42
								Total	322
Work Term 1	Winter 2024								
COOP222	Co-op Work Placement 1					ODL			
Semester 4	Summer 2024								
COMP212	Programming 3	P=COMP123	2	2		ODL	4	14	56
COMP216	Networking for Software Developers	P=COMP100	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
MATH210	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2		ODL	4	14	56
								Total	336
Work Term 2	Fall 2024								
COOP331	Co-op Work Placement 2					ODL			
Semester 5	Winter 2024								

Notes:									
◆ This course may be offered in one of the following modalities (Online, Hybrid or Blended)									
Technical Electives:									
COMP367◆	DevOps Implementation	2	1		ODL	3	14		42
COMP377◆	AI for Software Developers	2	1		ODL	3	14		42
COMP387◆	Clinical Workflow and IT Solutions	2	1		ODL	3	14		42