

MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3538						
Program Title:	Health Informatics 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 2020 and Winter 2021								
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 2020 or Winter 2021									
COMM170/171	College Communications 2			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
COMP246	Object Oriented Software Engineering	P=COMP123, COMP225	2	2			4	14	56
COMP381	Tools, Algorithms and Methods for HCIS	C=COMP214; P=COMP123	2	2			4	14	56
GNE500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
							Total		308
Semester 4 Winter 2021 or Summer 2021									
COMP212	Programming 3	P=COMP123	2	2			4	14	56
COMP228	Java Programming	P=COMP123	2	2			4	14	56
COMP229	Web Application Development	P=COMP123, COMP125	2	2			4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2			4	14	56
COMP380	Structure of HCIS	P=COMP120	2	2		HYB	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, MATH185	2	2			4	14	56
							Total		350
Work Term 1 (Summer 2021 or Fall 2021)									
COOP222	Co-op Work Placement 1								
Work Term 2 (Fall 2021 or Summer 2022)									
COOP331	Co-op Work Placement 2								
Semester 5 Winter 2022									
CNET307	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2		ODL	3	14	42
COMP231	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2	2		HYB	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 ♦	Systems Integration	P=COMP246 and ENGL253	2	2		HYB	4	14	56
COMP387 ♦	Clinical Workflow and IT Solutions		2	1		ODL	3	14	42
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3			3	14	42
							Total		350
Break (Summer 2022)									
Semester 6 Fall 2022									
COMP216	Networking for Software Developers	P=COMP100	2	2			4	14	56
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 COMP381, or, COMP231 and COMP305 and COMP391, or, COMP246 and COMP258	2	2		HYB	4	14	56
COMP383	Data Security and Privacy Policies in HCIS	P=COMP380	2	2			4	14	56
COMP384 ♦	Telehealth	P=COMP381	2	2		ODL	4	14	56
GNED	General Education Elective			3			3	14	42
							Total		364
Minimum Grade Required: D									
								Total Program Hours:	1372

C = Co-Requisite; P = Pre-Requisite

Notes:

♦ This course may be offered in one of the following modalities (Online, Hybrid or Blended)