

# 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	<input type="checkbox"/> Centennial College Certificate
Program Delivery Mode:	<div><input checked="" type="checkbox"/> Co-Op</div> <div><input type="checkbox"/> Online</div> <div><input checked="" type="checkbox"/> Fast Track</div> <div><input type="checkbox"/> Hybrid</div> <div><input type="checkbox"/> Non Co-op</div>	Duration :	<input type="checkbox"/> 1 Semesters	<input checked="" type="checkbox"/> 4 Semesters	
			<input type="checkbox"/> 2 Semesters	<input type="checkbox"/> 6 Semesters	
			<input type="checkbox"/> 3 Semesters	<input type="checkbox"/> 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	<b>Fall 2022 or Winter 2023</b>								
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	Software Systems Design	P=COMP123 and COMP225	2	2			4	14	56
COMP381	Tools, Algorithms and Methods for HCIS	C=COMP214; P=COMP123	2	2			4	14	56
GNED500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
								<b>Total</b>	<b>308</b>
Semester 4	<b>Winter 2023 or Summer 2023</b>								
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 and 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 and MATH185	2	2			4	14	56
								<b>Total</b>	<b>350</b>
Work Term 1	<b>Summer 2023 or Fall 2023</b>								
COOP222	Co-op Work Placement 1								
Work Term 2	<b>Fall 2023 or Summer 2024</b>								
COOP331	Co-op Work Placement 2								
Semester 5	<b>Winter 2024</b>								
CNET307◆	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP225	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◆	Enterprise Systems Integration	P=COMP246	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
Break	<b>Summer 2023</b>								
								<b>Total</b>	<b>350</b>
Semester 6	<b>Fall 2023</b>								
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
								<b>Total</b>	<b>364</b>
<b>Minimum Grade Required: D</b>									
<b>Total Program Hours:</b>								<b>1372</b>	
<b>C = Co-Requisite; P = Pre-Requisite</b>									
<b>Notes:</b>									
♦ This course may be offered in one of the following modalities (Online, Hybrid or Blended)									