MODEL ROUTE

School:	School of Engineering Technology and Applied Science	**Program Number:**	3538

Program Title:	**Health Informatics Technology Co-op Fast Track**	**Credential:**	☐ Certificate ☐ Graduate Certificate ☐ Degree ☐ Diploma ☑ Advanced Diploma

Program Delivery Mode:	☑ Co-Op ☐ Online ☑ Fast Track ☐ Hybrid ☐ Non Co-op	**Duration :**	☐ 2 Semesters ☐ 3 Semesters ☑ 4 Semesters ☐ 6 Semesters ☐ 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			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
GNED500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
							Total		308
Semester 4	**Winter 2020 or Summer 2020**								
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◆	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**								
CNET307◆	IT Project Management	P=COMM170/171, CNET229 or COMP225 or ETEC225 or MATH180	1	2		ODL	3	14	42

Code	Course Name	Requisite				Modality			
COMP231	Software Development Project 1	P=COMP214, COMP228, COMP229, COMP246	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
COMP321	Systems Integration	P=COMP246, ENGL253	2	2			4	14	56
COMP387◈	Clinical Workflow and IT Solutions		2	1		ODL	3	14	42
ENGL253	Advanced Business Communications	P=COMM170/171		3			3	14	42
								Total	350

Break (Summer 2021)

Semester 6	**Fall 2021**								
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 COMP381, or, COMP303 and COMP306, or, COMP305 and COMP391	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)