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
- ☐ Centennial College Certificate

Program Delivery Mode:
- ☑ Co-Op
- ☐ Online
- ☑ Fast Track
- ☑ Hybrid
- ☐ Non Co-op

Duration :
- ☐ 1 Semesters
- ☑ 4 Semesters
- ☐ 2 Semesters
- ☐ 6 Semesters
- ☐ 3 Semesters
- ☐ 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	**Fall 2022 or Winter 2023**								
COMM170/171◆	College Communications 2	P=COMM160 or COMM161		3		ODL	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		HYB	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		ODL	3	14	42
							Total		308
Semester 4	**Winter 2023 or Summer 2023**								
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		HYB	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 and MATH185	2	2		HYB	4	14	56
							Total		350
Work Term 1	**Summer 2023 or Fall 2023**								
COOP222	Co-op Work Placement 1								
Work Term 2	**Fall 2023 or Summer 2024**								
COOP331	Co-op Work Placement 2								
Semester 5	**Winter 2024**								
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		ODL	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		ODL	3	14	42
							Total		350
Break	**Summer 2024**								
Semester 6	**Fall 2024**								
COMP216◈	Networking for Software Developers	P=COMP100	2	2		HYB	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	2	2		ODL	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		ODL	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)

◈◈ This course may be offered in a compressed delivery 2 hours per week for a 7 week period.