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 Certificat ☐ Diploma ☐ Advanced Diploma							
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 2024 and Winter 2025										
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 2024 or Winter 2025										
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		НҮВ	4	14	56		
COMPAXI	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		
	Winter 2025 or Summer 2025				1						
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		
	Software Testing and Quality Assurance		2	2		НҮВ	4	14	56		
COMP380�	Structure of HCIS	P=COMP120	2	2		HYB	4	14	56		
COOP321��	Employment Preplacement	P=COMM160/161 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		НҮВ	4	14	56		
								Total	350		
	Summer 2025 or Fall 2025										
COOP222	Co-op Work Placement 1										
	Fall 2025 or Summer 2026										
COOP331	Co-op Work Placement 2										
Comostor F	Winter 2026										
Semester 5	willter 2020										
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		
	Mobile Apps Development	P=COMP228	2	2			4	14	56		
COMP388 ♦	Health Care Data Analytics and Cloud Computing	P=COMP254 and COMP381	2	2		НҮВ	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 2026										
Semester 6	Fall 2026										
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.