		MODEL	. ROl	JTE					
	School of Engineering Technology and Applied Science	Program Number:	3518						
Program Title:	Health Informatics Technology Co-op	Credential:		□ Certificate □ Graduate Certificate   □ Diploma ☑ Advanced Diplomate		5			
Program Delivery Mode:	Co-Op Online Fast Track Hybrid Non Co-op	Duration :		□ 1 Seme □ 2 Seme □ 3 Seme	sters 🗸	4 Semesters 6 Semesters 8 Semesters			
Campus:	PROGRESS	Department Code:		3515					
Intake:	Fall 2023 and Winter 2024								
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 1	Fall 2023 or Winter 2024								
	College Communications 1			3			3	14	42
	Programming 1 Software Engineering Fundamentals		2	2 2			4	14 14	56 56
	Web Interface Design		4	2			4	14 14	56 42
	General Education Elective Functions and Number Systems		1	3			3	14	42
				_				Total	294
Semester 2	Winter 2024 or Summer 2024								
COMM170/171	College Communications 2	P=COMM160 or COMM161		3			3	14	42
COMP122	Introduction to Database Concepts		2	2			4	14	56
COMP123	Programming 2	P=COMP100	2	2			4	14	56
COMP125	Client-Side Web Development	P=COMP100 and COMP213	2	2			4	14	56
COMP225�	Software Requirements Engineering	P=COMP100, and, COMP120 or COMP391	2	2		НҮВ	4	14	56
COMP301	UNIX/Linux Operating Systems	P=COMP100	2	2			4	14	56
COMP380�	Structure of HCIS	P=COMP120	2	2		НҮВ	4	14	56
Durali	Summer 2024							Total	378
Break	Summer 2024								
Semester 3	Fall 2024								
	Advanced Database Concepts	P=COMP122	2	2			4	14	56
COMP229	Web Application Development	P=COMP123 and COMP125	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
COOP321/421�	Employment Preplacement	P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1	14	14
(-NED500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
MATH185	Discrete Mathematics		1	2			3	14	42
Monte Tarres 4	Winter 2025							Total	322
	Winter 2025 Co-op Work Placement 1								
	Summer 2025		-	-			-		FC
COMP212	Programming 3	P=COMP123	2	2			4	14	56

COMP228	Java Programming	P=COMP123	2	2		4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2		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
MATH210	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2		4	14	56
							Total	308
Work Term 2	Fall 2025							
COOP331	Co-op Work Placement 2							
Semester 5	Winter 2026							
CNET307�	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2	ODL	3	14	42
COMP216	Networking for Software Developers	P=COMP100	2	2		4		
COMP231	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2		НҮВ	4		
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	НҮВ	4	14	56
							Total	322
Work Term 3	Summer 2026							
COOP332	Co-op Work Placement 3							
Semester 6	Fall 2026							
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	НҮВ	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	308
Minimum Grade	Required: D							
						Total Prog	ram Hours:	1932
C = Co-Requisite; F	P = Pre-Requisite							
Notes:								
This course ma	ay be offered in one of the following m	nodalities (Online Hybr	id or Ble	nded)				

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