

MODEL ROUTE

School:

School of Engineering Technology and Applied Science

Program Title:

Health Informatics Technology

Program Delivery Mode:

☐ Co-Op☐ Online☐ Fast Track☒ Hybrid☒ Non Co-op

Program Number:

3508

Credential:

☐ Certificate☐ Graduate Certificate☐ Degree☐ Diploma☒ Advanced Diploma☐ Centennial College Certificate

Duration :

☐ 1 Semesters☐ 4 Semesters☐ 2 Semesters☒ 6 Semesters☐ 3 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								
COMM160/161	College Communications 1			3		ODL	3	14	42
COMP100	Programming 1		2	2			4	14	56
COMP120	Software Engineering Fundamentals		2	2		HYB	4	14	56
COMP213	Web Interface Design		4				4	14	56
GNED	General Education Elective			3		ODL	3	14	42
MATH175	Functions and Number Systems			3		ODL	3	14	42
								Total	294
Semester 2	Winter 2024 or Summer 2024								
COMM170/171	College Communications 2	P=COMM160 or COMM161		3		ODL	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		HYB	4	14	56
COMP301	UNIX/Linux Operating Systems	P=COMP100	2	2			4	14	56
COMP380	Structure of HCIS	P=COMP120	2	2		HYB	4	14	56
								Total	378
Break	Summer 2024								
Semester 3	Fall 2024								
COMP214	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
GNED500	Global Citizenship: from Social Analysis to Social Action			3		ODL	3	14	42
MATH185	Discrete Mathematics			3		ODL	3	14	42
								Total	308
Semester 4	Winter 2025								
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		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
MATH210	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2		HYB	4	14	56
								Total	308

Break	Summer 2025								
Semester 5	Fall 2025								
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
COMP309	Data Warehousing and Predictive Analytics	P=COMP214	2	2			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
								Total	336
Semester 6	Winter 2026								
CNET307◆	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP225	1	2		ODL	3	14	42
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
COMP313◆	Software Development Project 2	P=COMP231 and COMP303 and COMP304, or, COMP231 and COMP381	2	2		ODL	4	14	56
COMP388◆	Health Care Data Analytics and Cloud Computing	P=COMP254 and COMP381	2	2		HYB	4	14	56
EMPS102 ◆	Employment Skills 2	P=COMM170 or COMM171		2		ODL	2	14	28
GNED ◆	General Education Elective			3		ODL	3	14	42
								Total	322
Minimum Grade Required: D									
Total Program Hours:								1946	
C = Co-Requisite; P = Pre-Requisite									
Notes:									
◆This course may be offered in one of the following modalities (Online, Hybrid or Blended)									