

MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3408						
Program Title:	Software Engineering Technician	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 2024 and Winter 2025 and Summer 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 1	Fall 2024 or Winter 2025 or Summer 2025								
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 2025 or Summer 2025 or Fall 2025								
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
MATH185 ♦	Discrete Mathematics			3		ODL	3	14	42
								Total	364
Semester 3	Summer 2025 or Fall 2025 or Winter 2026								
COMP214	Advanced Database Concepts	P=COMP122	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
COMP246 ♦	Software Systems Design	P=COMP123 and COMP225	2	2		HYB	4	14	56
ENGL253 ♦	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42
GNED500♦	Global Citizenship: from Social Analysis to Social Action			3		ODL	3	14	42
								Total	308
Semester 4	Fall 2025 or Winter 2026 or Summer 2026								
CNET307♦	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2		ODL	3	14	42
COMP212	Programming 3	P=COMP123	2	2			4	14	56
COMP231♦	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2	2		ODL	4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2			4	14	56
COMP318	Developing UI for Smart Devices	P=COMP123 and COMP225 and COMP228	2				2	14	28
EMPS101♦	Employment Skills	P=COMM160/161 or COMM170/171, and, BTEC227 or COMP246 or CNET104 or CNET307 or ETEC223		1		ODL	1	14	14
GNED ♦	General Education Elective			3		ODL	3	14	42
								Total	294
Minimum Grade Required: D									
Total Program Hours:									1260
C = Co-Requisite; P = Pre-Requisite									
Notes:									
♦This course may be offered in one of the following modalities (Online, Hybrid or Blended)									