MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3468

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:	**ONLINE**	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		ODL	4	14	56
COMP120 ◆	Software Engineering Fundamentals		2	2		ODL	4	14	56
COMP213 ◆	Web Interface Design		4			ODL	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		ODL	4	14	56
COMP123 ◆	Programming 2	P=COMP100	2	2		ODL	4	14	56
COMP125 ◆	Client-Side Web Development	P=COMP100 and COMP213	2	2		ODL	4	14	56
COMP225◆	Software Requirements Engineering	P=COMP100, and, COMP120 or COMP391	2	2		ODL	4	14	56
COMP301◆	UNIX/Linux Operating Systems	P=COMP100	2	2		ODL	4	14	56
MATH185 ◆	Discrete Mathematics			3		ODL	3	14	42
							Total		364
Semester 3	**Summer 2024 or Fall 2024**								
COMP214◆	Advanced Database Concepts	P=COMP122	2	2		ODL	4	14	56
COMP228 ◆	Java Programming	P=COMP123	2	2		ODL	4	14	56
COMP229 ◆	Web Application Development	P=COMP123 and COMP125	2	2		ODL	4	14	56
COMP246 ◆	Software Systems Design	P=COMP123 and COMP225	2	2		ODL	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 2024 or Winter 2025**								
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		ODL	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		ODL	4	14	56

Code	Title	Pre/Co-Requisite				Modality			
COMP318 ◈	Developing UI for Smart Devices	P=COMP123 and COMP225 and COMP228	2			ODL	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)