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 2022 and Winter 2023**				

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 2022 or Winter 2023**								
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 2023 or Summer 2023**								
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 2023 or Fall 2023**								
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 2023 or Winter 2024**								
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

COMP318 ◈	Developing UI for Smart Devices	P=COMP123 and COMP225 and COMP228	2			ODL			
							2	14	28
EMPS101 ◈	Employment Skills	P=COMM160 or COMM 161 or COMM170 or COMM171		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)