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		
Program Delivery Mode:	☐ Co-Op ☐ Online ☐ Fast Track ☐ Hybrid ☑ Non Co-op	**Duration :**	☐ 2 Semesters ☐ 3 Semesters ☑ 4 Semesters ☐ 6 Semesters ☐ 8 Semesters		
Campus:	**Progress**				
Intake:	**Fall 2020 and Winter 2021**				

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 2020 or Winter 2021**								
COMM160/161 ‹	College Communications 1			3			3	14	42
COMP100	Programming 1		2	2			4	14	56
COMP120	Software Engineering Fundamentals		2	2			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			3	14	42
							Total		294
Semester 2	**Winter 2021 or Summer 2021**								
COMM170/171 ‹	College Communications 2	P=COMM160/161		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, COMP213	2	2			4	14	56
COMP225	Software Engineering Methodologies 1	P=COMP100	2	2		HYB	4	14	56
COMP301	UNIX/Linux Operating Systems	P=COMP100	2	2			4	14	56
MATH185	Discrete Mathematics			3			3	14	42
							Total		364
Semester 3	**Summer 2021 or Fall 2021**								
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			4	14	56
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3			3	14	42
GNED500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
							Total		308
Semester 4	**Fall 2021 or Winter 2022**								
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		HYB	4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2			4	14	56

Course	Title	Requisites						Hours/Wk	Weeks	Total
COMP318	Developing UI for Smart Devices	P=COMP123 and COMP225 and COMP228	2				2	14	28
EMPS101	Employment Skills	P=COMM160 or COMM 161 or COMM170 or COMM171		1			1	14	14
GNED	General Education Elective			3			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)