

# MODEL ROUTE

<b>School:</b>	School of Engineering Technology and Applied Science	<b>Program Number:</b>	3468						
<b>Program Title:</b>	<b>Software Engineering Technician</b>	<b>Credential:</b>	<input type="checkbox"/> Certificate	<input type="checkbox"/> Graduate Certificate	<input type="checkbox"/> Degree				
			<input checked="" type="checkbox"/> Diploma	<input type="checkbox"/> Advanced Diploma					
<b>Program Delivery Mode:</b>	<input type="checkbox"/> Co-Op <input checked="" type="checkbox"/> Online <input type="checkbox"/> Fast Track <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Non Co-op	<b>Duration :</b>	<input type="checkbox"/> 2 Semesters	<input type="checkbox"/> 3 Semesters					
			<input checked="" type="checkbox"/> 4 Semesters	<input type="checkbox"/> 6 Semesters					
			<input type="checkbox"/> 8 Semesters						
<b>Campus:</b>	<b>ONLINE</b>								
<b>Intake:</b>	<b>Fall 2020 and Winter 2021</b>								

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
<b>Semester 1</b>	<b>Fall 2020 or Winter 2021</b>								
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
GNEDE	General Education Elective			3		ODL	3	14	42
MATH175	Functions and Number Systems			3		ODL	3	14	42
								<b>Total</b>	<b>294</b>
<b>Semester 2</b>	<b>Winter 2021 or Summer 2021</b>								
COMM170/171	College Communications 2	P=COMM160/161		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, COMP213	2	2		ODL	4	14	56
COMP225	Software Engineering Methodologies 1	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
								<b>Total</b>	<b>364</b>
<b>Semester 3</b>	<b>Summer 2021 or Fall 2021</b>								
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
GNEDE500	Global Citizenship: from Social Analysis to Social Action			3		ODL	3	14	42
								<b>Total</b>	<b>308</b>
<b>Semester 4</b>	<b>Fall 2021 or Winter 2022</b>								
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
							<b>Total</b>	<b>294</b>
<b>Minimum Grade Required: D</b>								
							<b>Total Program Hours:</b>	<b>1260</b>

C = Co-Requisite; P = Pre-Requisite

**Notes:**  
 ♦ This course may be offered in one of the following modalities (Online, Hybrid or Blended)