

# MODEL ROUTE

<b>School:</b>	School of Engineering Technology and Applied Science	<b>Program Number:</b>	3408						
<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 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>Progress</b>								
<b>Intake:</b>	<b>Fall 2018 and Winter 2019</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 2018 or Winter 2019</b>								
COMM170/171	College Communications 2			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
GNEC	General Education Elective			3			3	14	42
MATH175	Functions and Number Systems		1	2			3	14	42
								<b>Total</b>	<b>294</b>
<b>Semester 2</b>	<b>Winter 2019 or Summer 2019</b>								
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		1	2			3	14	42
								<b>Total</b>	<b>322</b>
<b>Semester 3</b>	<b>Summer 2019 or Fall 2019</b>								
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, COMP125	2	2			4	14	56
COMP246	Object Oriented Software Engineering	P=COMP123, COMP225	2	2			4	14	56
ENGL253	Advanced Business Communications	P=COMM170/171		3			3	14	42
GNEC500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
								<b>Total</b>	<b>308</b>
<b>Semester 4</b>	<b>Fall 2019 or Winter 2020</b>								
CNET307◆	IT Project Management	P=COMM170/171, CNET229 or COMP225 or ETEC225 or MATH180	1	2		ODL			
							3	14	42
COMP212	Programming 3	P=COMP123	2	2			4	14	56
COMP231	Software Development Project 1	P=COMP228, COMP229, COMP246	2	2			4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2			4	14	56

COMP316	Software Testing Automated Tools	P=COMP123, COMP225, COMP228	2					2	14	28
EMPS101	Employment Skills	P=COMM160/161 or COMM170/171		1				1	14	14
GNED	General Education Elective			3				3	14	42
								<b>Total</b>		<b>294</b>
<b>Minimum Grade Required: D</b>										
									<b>Total Program Hours:</b>	<b>1218</b>

**C = Co-Requisite; P = Pre-Requisite**

**Notes:**

◆ This course may be offered in one of the following modalities (Online, Hybrid or Blended)