

MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3429						
Program Title:	Software Engineering Technology, Fast Track	Credential:	<input type="checkbox"/> Certificate <input type="checkbox"/> Graduate Certificate <input type="checkbox"/> Degree <input type="checkbox"/> Diploma <input checked="" type="checkbox"/> Advanced Diploma <input type="checkbox"/> Centennial College Certificate						
Program Delivery Mode:	<input type="checkbox"/> Co-Op <input type="checkbox"/> Online <input checked="" type="checkbox"/> Fast Track <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Non Co-op	Duration :	<input type="checkbox"/> 1 Semesters <input checked="" type="checkbox"/> 4 Semesters <input type="checkbox"/> 2 Semesters <input type="checkbox"/> 6 Semesters <input type="checkbox"/> 3 Semesters <input type="checkbox"/> 8 Semesters						
Campus:	PROGRESS	Department Code:	3515						
Intake:	Fall 2023 and Winter 2024 and Summer 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 3	Fall 2023 or Winter 2024 or Summer 2024								
COMM170/171	College Communications 2	P=COMM160 or COMM161		3			3	14	42
COMP123	Programming 2	P=COMP100	2	2			4	14	56
COMP214	Advanced Database Concepts	P=COMP122	2	2			4	14	56
COMP228	Java Programming	P=COMP123	2	2			4	14	56
COMP246	Software Systems Design	P=COMP123 and COMP225	2	2			4	14	56
GNED	General Education Elective			3			3	14	42
GNED500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
							Total		350
Semester 4	Winter 2024 or Summer 2024 or Fall 2024								
COMP212	Programming 3	P=COMP123	2	2			4	14	56
COMP229	Web Application Development	P=COMP123 and COMP125	2	2			4	14	56
COMP254	Data Structures and Algorithms	P=COMP228	2	2			4	14	56
COMP304	Mobile Application Development	P=COMP228	2	2			4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2			4	14	56
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3			3	14	42
MATH210	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2			4	14	56
							Total		378
Break	Summer 2024 or Winter 2025								
Semester 5	Fall 2024 or Summer 2025								
COMP231◆	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2	2		HYB	4	14	56
COMP255◆	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3			ODL	3	14	42
COMP303	Enterprise Application Development	P=COMP214 and COMP228	2	2			4	14	56
COMP306	API Engineering and Cloud Computing	P=COMP212 and COMP229	2	2			4	14	56
COMP307	Software Security	P=COMP212 and COMP228	2	2			4	14	56
COMP309	Data Warehousing and Predictive Analytics	P=COMP214	2	2			4	14	56
							Total		322
Semester 6	Winter 2025 or Fall 2025								

CNET307◆	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2		ODL		3	14	42
COMP216	Networking for Software Developers	P=COMP100	2	2				4	14	56
COMP308	Emerging Technologies	P=COMP228 and COMP229	2	2				4	14	56
COMP313◆	Software Development Project 2	P=COMP231 and COMP303 and COMP304, or, COMP231 and COMP381, or, COMP231 and COMP305 and COMP391, or, COMP246 and COMP258	2	2		HYB		4	14	56
COMP321◆	Enterprise Systems Integration	P=COMP246	2	2		HYB		4	14	56
EMPS102	Employment Skills 2	P=COMM170 or COMM171		2				2	14	28
ELECT1	Technical Elective 1		1	2				3	14	42
									Total	336
Minimum Grade Required: D										
Total Program Hours:									1386	
C = Co-Requisite; P = Pre-Requisite										
Notes:										
◆This course may be offered in one of the following modalities (Online, Hybrid or Blended)										
<u>Technical Electives:</u>										
COMP367◆	DevOps Implementation		2	1		ODL		3	14	42
COMP377◆	AI for Software Developers		2	1		ODL		3	14	42