

MODEL ROUTE										
School:	School of Engineering Technology and Applied Science		Program Number:		3409					
Program Title:	Software Engineering Technology		Credential:		<input type="checkbox"/> Certificate <input type="checkbox"/> Diploma		<input type="checkbox"/> Graduate Certificate <input checked="" type="checkbox"/> Advanced Diploma		<input type="checkbox"/> Degree <input type="checkbox"/> Centennial College Certificate	
Program Delivery Mode:	<div><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</div>		Duration :		<input type="checkbox"/> 1 Semesters <input type="checkbox"/> 2 Semesters <input type="checkbox"/> 3 Semesters		<input type="checkbox"/> 4 Semesters <input checked="" type="checkbox"/> 6 Semesters <input type="checkbox"/> 8 Semesters			
Campus:	PROGRESS		Department Code:		3515					
Intake:	Fall 2023 and Winter 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 1	Fall 2023 or Winter 2024									
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			3	14	42
MATH175	Functions and Number Systems				3			3	14	42
								Total		294
Semester 2	Winter 2024 or Summer 2024									
COMM170/171	College Communications 2		P=COMM160 or COMM161		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 and COMP213	2	2			4	14	56
COMP225	Software Requirements Engineering		P=COMP100, and, COMP120 or COMP391	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
Break	Summer 2024									
Semester 3	Fall 2024									
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	Winter 2025									
COMP212	Programming 3		P=COMP123	2	2			4	14	56
COMP216	Networking for Software Developers		P=COMP100	2	2			4	14	56
COMP254	Data Structures and Algorithms		P=COMP228	2	2			4	14	56
COMP304	Mobile Apps Development		P=COMP228	2	2			4	14	56
COMP311	Software Testing and Quality Assurance		P=COMP123	2	2			4	14	56
MATH210	Linear Algebra and Statistics		P=MATH175 and MATH185	2	2			4	14	56

Break		Summer 2025						Total		336
Semester 5		Fall 2025								
COMP255	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3			ODL	3	14	42	
COMP231	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2	2		HYB	4	14	56	
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 2026								
CNET307	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2		ODL	3	14	42	
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		2	1			3	14	42	
GNED	General Education Elective			3			3	14	42	
							Total		322	
Minimum Grade Required: D										
Total Program Hours:										1946
C = Co-Requisite; P = Pre-Requisite										
Notes:										
This course may be offered in one of the following modalities (Online, Hybrid or Blended)										
Technical Electives:										
COMP367	DevOps Implementation		2	1		ODL	3	14	42	
COMP377	AI for Software Developers		2	1		ODL	3	14	42	