






















MODEL ROUTE										
School:	School of Engineering Technology and Applied Science		Program Number:		3442					
Program Title:	Software Engineering Technology - Artificial Intelligence Co-op		Credential:		<div><input type="checkbox"/> Certificate<input type="checkbox"/> Graduate Certificate<input type="checkbox"/> Degree</div> <div><input type="checkbox"/> Diploma<input checked="" type="checkbox"/> Advanced Diploma<input type="checkbox"/> Centennial College Certificate</div>					
Program Delivery Mode:	<div><input checked="" type="checkbox"/> Co-Op<input checked="" type="checkbox"/> Online</div> <div><input type="checkbox"/> Fast Track<input type="checkbox"/> Hybrid</div> <div><input type="checkbox"/> Non Co-op</div>		Duration :		<div><input type="checkbox"/> 1 Semesters<input type="checkbox"/> 4 Semesters</div> <div><input type="checkbox"/> 2 Semesters<input checked="" type="checkbox"/> 6 Semesters</div> <div><input type="checkbox"/> 3 Semesters<input type="checkbox"/> 8 Semesters</div>					
Campus:	ONLINE		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		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
GNED 	General Education Elective				3		ODL	3	14	42
MATH175 	Functions and Number Systems				3		ODL	3	14	42
								Total		294
Semester 2	Winter 2024 or Summer 2024									
COMM170/171 	College Communications 2		P=COMM160 or COMM161		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 and COMP213	2	2		ODL	4	14	56
COMP225 	Software Requirements Engineering		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
								Total		364
Break	Summer 2024									
Semester 3	Fall 2024									
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
COMP237 	Introduction to Artificial Intelligence		C=MATH210 P=COMP123 and MATH175 and MATH185	2	2		ODL	4	14	56
COMP246 	Software Systems Design		P=COMP123 and COMP225	2	2		ODL	4	14	56
COOP321/421 	Employment Preplacement		P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1	14	14
GNED500 	Global Citizenship: from Social Analysis to Social Action				3		ODL	3	14	42
MATH210 	Linear Algebra and Statistics		P=MATH175 and MATH185	2	2		ODL	4	14	56
								Total		336
Work Term 1	Winter 2025									
COOP222 	Co-op Work Placement 1						ODL			

Semester 4	Summer 2025									
COMP214 ♦	Advanced Database Concepts	P=COMP122	2	2		ODL	4	14	56	
COMP216 ♦	Networking for Software Developers	P=COMP100	2	2		ODL	4	14	56	
COMP247 ♦	Supervised Learning	P= COMP228 and COMP237 and MATH210	2	2		ODL	4	14	56	
COMP254 ♦	Data Structures and Algorithms	P=COMP228	2	2		ODL	4	14	56	
COMP311 ♦	Software Testing and Quality Assurance	P=COMP123	2	2		ODL	4	14	56	
ENGL253 ♦	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42	
							Total		322	
Work Term 2	Fall 2025									
COOP331 ♦	Co-op Work Placement 2					ODL				
Semester 5	Winter 2026									
CNET307♦	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP225	1	2		ODL	3	14	42	
COMP255 ♦	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3			ODL	3	14	42	
COMP258 ♦	Neural Networks	P=COMP247 and COMP254	2	2		ODL	4	14	56	
COMP261 ♦	AI Ethics and Data Governance	P=COMP247 and COMP254	1	2		ODL	3	14	42	
COMP264 ♦	Cloud Machine Learning	P=COMP247	2	1		ODL	3	14	42	
COMP304 ♦	Mobile Apps Development	P=COMP228	2	2		ODL	4	14	56	
							Total		280	
Work Term 3	Summer 2026									
COOP332 ♦	Co-op Work Placement 3					ODL				
Semester 6	Fall 2026									
COMP251 ♦	Big Data Tools for Machine Learning	P=COMP247 and COMP254	2	2		ODL	4	14	56	
COMP257 ♦	Unsupervised and Reinforcement Learning	P=COMP247 and COMP254	2	2		ODL	4	14	56	
COMP262 ♦	Natural Language Processing and Recommender Systems	P=COMP247 and COMP254 and COMP258	2	2		ODL	4	14	56	
COMP263 ♦	Deep Learning	P= COMP258	2	2		ODL	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		ODL	4	14	56	
GNED ♦	General Education Elective			3		ODL	3	14	42	
							Total		322	
Minimum Grade Required: D										
Total Program Hours:									1918	
C = Co-Requisite; P = Pre-Requisite										
Notes:										
♦This course may be offered in one of the following modalities (Online, Hybrid or Blended)										