

MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3432						
Program Title:	Software Engineering Technology - Artificial Intelligence Co-op, Fast Track	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 type="checkbox"/> Online</div> <div><input checked="" 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 checked="" type="checkbox"/> 4 Semesters</div> <div><input type="checkbox"/> 2 Semesters<input type="checkbox"/> 6 Semesters</div> <div><input type="checkbox"/> 3 Semesters<input type="checkbox"/> 8 Semesters</div>						
Campus:	PROGRESS	Department Code:	3515						
Intake:	Fall 2024 and Winter 2025								
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 2024 or Winter 2025								
COMM170/171	College Communications 2	P=COMM160 or COMM161		3		ODL	3	14	42
COMP228	Java Programming	P=COMP123	2	2			4	14	56
COMP229	Web Application Development	P=COMP123 and COMP125	2	2			4	14	56
COMP237	Introduction to Artificial Intelligence	C=MATH210 P=COMP123 and MATH175 and MATH185	2	2			4	14	56
COMP246	Software Systems Design	P=COMP123 and COMP225	2	2			4	14	56
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		HYB	4	14	56
								Total	364
Semester 4	Winter 2025 or Summer 2025								
COMP214	Advanced Database Concepts	P=COMP122	2	2			4	14	56
COMP216	Networking for Software Developers	P=COMP100	2	2		HYB	4	14	56
COMP247	Supervised Learning	P= COMP228 and COMP237 and MATH210	2	2			4	14	56
COMP254	Data Structures and Algorithms	P=COMP228	2	2			4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2		HYB	4	14	56
COOP321	Employment Preplacement	P=COMM160/161 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1	14	14
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42
								Total	336
Work Term 1	Summer 2025 or Fall 2025								
COOP222	Co-op Work Placement 1								
Work Term 2	Fall 2025 or Summer 2026								
COOP331	Co-op Work Placement 2								
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			4	14	56
COMP261◆	AI Ethics and Data Governance	P=COMP247 and COMP254	1	2		HYB	3	14	42
COMP264	Cloud Machine Learning	P=COMP247	2	1			3	14	42
COMP304	Mobile Apps Development	P=COMP228	2	2			4	14	56
								Total	280
Break Summer 2026									
Semester 6	Fall 2026								
COMP251	Big Data Tools for Machine Learning	P=COMP247 and COMP254	2	2			4	14	56
COMP257	Unsupervised and Reinforcement Learning	P=COMP247 and COMP254	2	2			4	14	56
COMP262	Natural Language Processing and Recommender Systems	P=COMP247 and COMP254 and COMP258	2	2			4	14	56
COMP263	Deep Learning	P= COMP258	2	2			4	14	56
COMP385 ◆	Artificial Intelligence Capstone Project	P=COMP246 and COMP258	2	2		HYB	4	14	56
GNED◆	General Education Elective			3		ODL	3	14	42
								Total	322
Minimum Grade Required: D									
							Total Program Hours:		1302
C = Co-Requisite; P = Pre-Requisite									
Notes:									
◆ This course may be offered in one of the following modalities (Online, Hybrid or Blended)									
◆◆ This course may be offered in a compressed delivery 2 hours per week for a 7 week period.									