		MODEL	ROU	ITE					
	School of Engineering Technology and Applied Science	Program Number:	3452						
Program Title:	Software Engineering Technology - Artificial Intelligence Co-op, Fast Track	Credential:	Certificate   Graduate Certificate   Degree     Diploma   Advanced Diploma   Centennial College Certificate						
Program Delivery Mode:	✓ Co-Op ✓ Online   ✓ Fast Track ☐ Hybrid   □ Non Co-op ✓	Duration :		□1 Semes □2 Semes □3 Semes	sters	4 Semesters 5 Semesters 8 Semesters			
Campus:	ONLINE	Department Code:		3515					
Intake:	Fall 2022 and Winter 2023								
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 2022 or Winter 2023								
	College Communications 2	P=COMM160 or COMM161		3		ODL	3	14	42
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
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
Competer 4	Winter 2023 or Summer 2023							Total	364
Semester 4 COMP214 🗞		P=COMP122	2	2		ODL	4	14	56
	Networking for Software Developers	P=COMP100	2	2		ODL	4	14	56
	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
COOP321/421�	Employment Preplacement	P=COMM170/171 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
Manh Tanza 4	Summer 2022 or 5-11 2022							Total	336
Work Term 1 COOP222�	Summer 2023 or Fall 2023 Co-op Work Placement 1					ODL			
	Fall 2023 or Summer 2024					ODL			
	Co-op Work Placement 2					ODL			
						OBE			
Semester 5	Winter 2024								
CNET307�		P=COMM170 or COMM171, and, CNET229 or COMP225	1	2		ODL	3	14	42
						ODL	5	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
Break	Summer 2024								
Semester 6	Fall 2024								
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	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 R	Required: D								
Total Program Hours:								1302	
C = Co-Requisite; P Notes:	= Pre-Requisite								

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