		MODEL	ROL	JTE					
	School of Engineering Technology and Applied Science	Program Number:	3442						
Program Title:	Software Engineering Technology - Artificial Intelligence Co-op	Credential:	□ Certificate   □ Degree     □ Diploma   □ Advanced Diploma   □ Centennial College Certificate						
Program Delivery Mode:	✓ Co-Op ✓ Online Fast Track ✓ Hybrid Non Co-op	Duration :		□ 1 Semesters □ 4 Semesters   □ 2 Semesters □ 6 Semesters   □ 3 Semesters □ 8 Semesters					
Campus:	ONLINE	Department Code:	3515						
Intake:	Fall 2021 and Winter 2022								
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 2021 or Winter 2022								
COMM160/161 🗇	College Communications 1			3		ODL	3	14	42
COMP100 🗇	Programming 1		2	2		ODL	4	14	56
	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 2022 or Summer 2022								
СОММ170/171 🗇	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		56
MATH185 🛇	Discrete Mathematics			3		ODL	3		42
								Total	364
Break	Summer 2022								
Semester 3	Fall 2022								
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
(JNED)5()() ( )	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 2023								
COOP222 🗇	Co-op Work Placement 1					ODL			

C = Co-Requisite; P	= Pre-Requisite							
			1			Total Progra	am Hours:	1918
Minimum Grade	Required: D							522
S.ILD ¥				5			Total	322
GNED	General Education Elective			3	ODL	3	14	42
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
COMP263	Deep Learning	P= COMP258	2	2	ODL	4	14	56
COMP262�	Learning Natural Language Processing and Recommender Systems	COMP254 P=COMP247 and COMP254	2	2	ODL ODL	4	14	56 56
COMP257�	Unsupervised and Reinforcement	P=COMP247 and	2	2				
COMP251	Big Data Tools for Machine Learning	P=COMP247 and COMP254	2	2	ODL	4	14	56
Semester 6	Fall 2024							
СООР332 🗇	Co-op Work Placement 3				ODL			
Work Term 3	Summer 2024							
							Total	280
COMP304	Mobile Apps Development	P=COMP228	2	2	ODL	4	14	56
COMP261 <b></b>	Al Ethics and Data Governance Cloud Machine Learning	P=COMP247 and COMP254 P=COMP247	1	2	ODL ODL	3	14 14	42
COMP258�	Neural Networks	P=COMP247 and COMP254	2	2	ODL	4	14	56
COMP255�	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3		ODL	3	14	42
CNET307�	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP225	1	2	ODL	3	14	42
Semester 5	Winter 2024							
001331 0	co op work hatement z				ODL			
Work Term 2 COOP331 �	Fall 2023 Co-op Work Placement 2				ODL			
		COMM171		5	ODL	3	14 Total	42 322
COMP311 🗞	Software Testing and Quality Assurance Advanced Business Communications	P=COMP123 P=COMM170 or	2	2	ODL	4	14	56
					ODL	4	14	50
Comp254 🗞	Data Structures and Algorithms	MATH210 P=COMP228	2	2	ODL ODL	4	14 14	56 56
COMP247 �	Supervised Learning	P= COMP228 and COMP237 and	2	2			17	
COMP214 COMP216 🗇	Advanced Database Concepts Networking for Software Developers	P=COMP122 P=COMP100	2	2	ODL ODL	4	14 14	56 56
Semester 4	Summer 2023	D. COMP422	2	2			1.0	50

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