		MODEL	ROL	ITE					
	School of Engineering Technology and Applied Science	Program Number:	3452						
Program Title:	Software Engineering Technology - Artificial Intelligence Co-op, Fast Track	Credential:		 Certifica Diploma 		Graduate Certifical Advanced Diploma		Degree nial College C	ertificate
Program Delivery Mode:	Co-Op Fast Track Non Co-op Co-Op Co-Op Co-Op Co-Op Co-Op Co-Op Co-Op Co-Op C	Duration :		 1 Seme 2 Seme 3 Seme 	sters	4 Semesters 6 Semesters 8 Semesters			
Campus:	ONLINE	Department Code:		3515					
Intake:	Fall 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 2023								
COMM170/171 🗞	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
Concepton A	Winter 2024							Total	364
Semester 4 COMP214 �	Winter 2024 Advanced Database Concepts	P=COMP122	2	2		ODL	4	14	56
	Networking for Software Developers	P=COMP122 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
Work Torm 1	Summer 2024							Total	336
	Co-op Work Placement 1					ODL			
	Fall 2024					ODL			
	Co-op Work Placement 2					ODL			
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Semester 5	Winter 2025								
CNET307�	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP225	1	2		ODL	3	14	42
							3		.2

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 2025								
Semester 6	Fall 2025								
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:								1302	
C = Co-Requisite; P = Pre-Requisite									
Notes:									
This course may be offered in one of the following modalities (Online, Hybrid or Blended)									