		MODEL	. ROI	JTE								
School:	School of Engineering Technology and Applied Science	Program Number:				3412						
Program Title:	Software Engineering Technology - Artificial Intelligence Co-op	Credential:	_		Graduate Certificat Advanced Diploma	_		Degree				
Program Delivery Mode:	☐ Co-Op ☐ Online ☐ Hybrid ☐ Non Co-op	Duration :		☐2 Semesters ☐3 Semesters ☐4 Semesters ☐6 Semesters ☐8 Semesters								
Campus:	Progress											
Intake:	Fall 2020 and Winter 2021											
Course Code	Course Title	Co/Pre Requisite (Course Code)	Lab Hours	Lecture Hours	Field Placement Hours	Course Delivery ODL=Online BLD=Blended	Total Course Hrs (Lab + Lecture +	Weeks (14)	Total Hours			
Semester 1	Fall 2020 or Winter 2021					HYB = Hybrid	Field)					
COMM160/161	College Communications 1			3			3	14	42			
COMP100	Programming 1		2				4		56			
COMP120	Software Engineering Fundamentals		2				4	14	56			
COMP213	Web Interface Design		4				4	14	56			
GNED�	General Education Elective			3		ODL	3	14	42			
MATH175	Functions and Number Systems		1	2			3	14	42			
								Total	294			
Semester 2	Winter 2021 or Summer 2021	I				l						
COMP122	Introduction to Database Concepts		2				4		56			
COMP123	Programming 2	P=COMP100	2	2			4	14	56			
COMP125	Client-Side Web Development	P=COMP100, COMP213 P=COMP100, and,	2	2			4	14	56			
COMP225�	Software Engineering Methodologies 1	COMP120 or COMP391	2	2		НҮВ	4	14	56			
COMP301	UNIX/Linux Operating Systems	P=COMP100	2				4	14	56			
MATH185	Discrete Mathematics		1	2			3	14	42			
COMM170/171	College Communications 2			3			3	14	42			
								Total	364			
Break (Summer 20	021)											
	- 11											
Semester 3	Fall 2021	D. COMP122						1.4	FC			
COMP228 COMP229	Java Programming Web Application Development	P=COMP123 P=COMP123 and COMP125	2				4		56 56			
COMP237	Introduction to Artificial Intelligence	C=MATH210 P=COMP123 and MATH175 and MATH185	2	2								
COMP246	Software Systems Design	P=COMP123 and COMP225	2	2			4		56			
COOP321/421�	Employment Preplacement	P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1		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			4	14	56			
M. 1 =	2022)							Total	336			
Work Term 1 (Wir												
COOP222	Co-op Work Placement 1											
Semester 4	Summer 2022											
COMP214	Advanced Database Concepts	P=COMP122	2	2			4	14	56			
COMP216	Networking for Software Developers	P=COMP100	2				4		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		56			
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2			4	14	56			
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3			3		42			
Manual Transcript	1,2022)							Total	322			
Work Term 2 (Fall COOP331	Co-op Work Placement 2											
Semester 5	Winter 2023											

CNET307�	IT Project Management	P=COMM170 or COMM171, and,	1	2	ODL			
		CNET229 or COMP225				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	Al Ethics and Data Governance	P=COMP247 and COMP254	1	2		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
Work Term 3 (Su	ımmer 2023)							
COOP332	Co-op Work Placement 3							
Semester 6	Fall 2023							
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	2	2		4	14	56
COMP263	Deep Learning	P= COMP258	2	2		4	14	56
СОМРЗ13�	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	НҮВ	4	14	56
GNED�	General Education Elective			3	ODL	3	14	42
							Total	322
Minimum Grade	Required: D							
Total Program Hours:								

C = Co-Requisite; P = Pre-Requisite

Notes:

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