		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 Certificate			
Program Delivery Mode:	✓ Co-Op Online  Fast Track Hybrid  Non Co-op	Duration :		☐ 1 Seme	esters 🗸	4 Semesters 6 Semesters 8 Semesters			
Campus:	PROGRESS	Department Code:	3515						
Intake:	all 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 1	Fall 2024 or Winter 2025								
COMM160/161 �	College Communications 1			3		ODL	3	14	42
COMP100	Programming 1		2	2			4	14	56
COMP120 <b>♦</b>	Software Engineering Fundamentals		2	2		НҮВ	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			3		ODL	3	14	42
Semester 2	Winter 2024 or Summer 2025							Total	294
COMM170/171	College Communications 2	P=COMM160 or		3		ODL	3	14	42
COMP122	-	COMM161	2	2			4	14	56
COMP123	Introduction to Database Concepts Programming 2	P=COMP100	2	2			4	14	56
COMP125	Client-Side Web Development	P=COMP100 and COMP213	2	2			4	14	56
COMP225�	Software Requirements Engineering	P=COMP100, and, COMP120 or COMP391	2	2		НҮВ	4	14	56
COMP301	UNIX/Linux Operating Systems	P=COMP100	2	2			4	14	56
MATH185 �	Discrete Mathematics			3		ODL	3	14 Total	42 364
Break	Summer 2025							. o.u.	301
Semester 3	Fall 2025			ı					
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
COOP321��	Employment Preplacement	P=COMM160/161 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1	14	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		НҮВ	4	14	56
Work Term 1	Winter 2026							Total	336
	** * *								

COOPZZZ	co-op work Placement 1								
Semester 4	Summer 2026								
COMP214		P=COMP122	2	2			4	14	56
COMP214 COMP216�	Networking for Software Developers	P=COMP100	2	2	-	НҮВ	4	14	56
COIVIEZTO	Networking for Software Developers	P=COMP100 P= COMP228 and			***	YD.	4	14	30
COMP247	Supervised Learning	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	Н	НҮВ	4	14	56
ENGL253�	Advanced Business Communications	P=COMM170 or COMM171		3	O	DDL	3	14	42
Work Term 2	Fall 2026							Total	322
COOP331	Co-op Work Placement 2	T							
	CO								
Semester 5	Winter 2027								
CNET307 <b>♦</b>	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP225	1	2	С	DDL	3	14	42
COMP255�	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3		С	DDL	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	Н	НҮВ	3	14	42
COMP264	Cloud Machine Learning	P=COMP247	2	1			3	14	42
COMP304	-	P=COMP228	2	2			4	14	56
								Total	280
Work Term 3	Summer 2027								
COOP332	Co-op Work Placement 3								
Semester 6	Fall 2027	· .						•	
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 <b>♦</b>		P=COMP246 and COMP258	2	2	Н	НҮВ	4	14	56
GNED�	General Education Elective			3	0	DDL	3	14	42
								Total	322
Minimum Grade	e Required: D								
						Т	Total Progra	am Hours:	1918

## C = Co-Requisite; P = Pre-Requisite

## Notos

COOP222

Co-op Work Placement 1

♦ 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.