		MODEL	. ROI	UTE					
School:	School of Engineering Technology and Applied Science	Program Number:	3462						
Program Title:	Software Engineering Technology - Artificial Intelligence	Credential:	☐ Certificate ☐ Graduate Certificate ☐ Degree ☐ Diploma ☐ Advanced Diploma ☐ Centennial College Certificate						
	☐ Co-Op ✓ Online		1 Semesters 4 Semesters						
Program Delivery	☐ Fast Track ☐ Hybrid	Duration :		2 Seme	esters 🗸	6 Semesters			
Mode:	✓ Non Co-op			☐ 3 Seme	esters \square	8 Semesters			
Campus:	ONLINE	Department Code:					515		
		Separament code.							
Intake:	Fall 2023 and Winter 2024								
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 2023 or Winter 2024								
COMM160/161	College Communications 1			3		ODL	3	14	42
COMP100 �	Programming 1		2	2		ODL	4	14	56
COMP120 ❖	Software Engineering Fundamentals		2	2		ODL ODL	4	14 14	56 56
GNED ♦	Web Interface Design General Education Elective		4	3		ODL	3	14	42
MATH175 ♦	Functions and Number Systems			3		ODL	3	14	42
								Total	294
Semester 2	Winter 2024 or Summer 2024								
COMM170/171�	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	14	56
MATH185 ❖	Discrete Mathematics			3		ODL	3	14	42
_								Total	364
Break	Summer 2024								
Semester 3	Fall 2024								
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
								Total	322
Semester 4	Winter 2025	D COMP122	_	_		251			
COMP214◆	Advanced Database Concepts Notworking for Software Dayslandrs	P=COMP122	2	2		ODL	4	14	56
COMP216 �	Networking for Software Developers	P=COMP100 P= COMP228 and	2	2		ODL	4	14	56
COMP247 �	Supervised Learning	COMP237 and MATH210	2	2		ODL	4	14	56

COIVII 254 V	Data Stractares and Algorithms	I -COIVII 220		_		ODL	-	4-7	50
COMP311 ♦	Software Testing and Quality Assurance	P=COMP123	2	2		ODL	4	14	56
ENGL253 �	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42
								Total	322
Break	Summer 2025								
C	F-II 2025								
Semester 5	Fall 2025								
CNET307�	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP225	1	2		ODL	3	14	42
COMP251�	Big Data Tools for Machine Learning	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
COMP257�	Unsupervised and Reinforcement Learning	P=COMP247 and COMP254	2	2		ODL	4	14	56
COMP258�	Neural Networks	P=COMP247 and COMP254	2	2		ODL	4	14	56
COMP304 ♦	Mobile Apps Development	P=COMP228	2	2		ODL	4	14	56
								Total	308
Semester 6	Winter 2026								
COMP261�	AI Ethics and Data Governance	P=COMP247 and COMP254	1	2		ODL	3	14	42
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
COMP264�	Cloud Machine Learning	P = COMP247	2	1		ODL	3	14	42
COMP385 ♦	Artificial Intelligence Capstone Project	P=COMP246 and COMP258	2	2		ODL	4	14	56
EMPS102�	Employment Skills 2	P=COMM170 or COMM171		2		ODL	2	14	28
GNED�	General Education Elective			3		ODL	3	14	42
								Total	322
Minimum Grad	le Required: D								
Total Program Hours: C = Co-Requisite; P = Pre-Requisite								1932	

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ODL

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14

56

COMP254 �

Notes:

Data Structures and Algorithms

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

P=COMP228