		MODEL	. ROL	JTE						
	School of Engineering Technology and Applied Science	Program Number:	3472							
Program Title:	Software Engineering Technology - Artificial Intelligence, Fast Track	Credential:	☐ Certificate ☐ Graduate 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 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	
								Total	364	
	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	
ENGL253 ❖	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42	
								Total	322	
Break	Summer 2024									
Semester 5	Fall 2024									
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	
(() () () () () () () () () (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 2025							
COMP261�	Al 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
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
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	de Required: D							
Total Program Hours:								
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C = Co-Requisite; P = Pre-Requisite

Note

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