

MODEL ROUTE

School:

School of Engineering Technology and Applied Science

Program Title:

Software Engineering Technology - Artificial Intelligence, Fast Track

Program Delivery Mode:

☐ Co-Op

☒ Online

☒ Fast Track

☐ Hybrid

☒ Non Co-op

Program Number:

3472

Credential:

☐ Certificate

☐ Graduate Certificate

☐ Degree

☐ Diploma

☒ Advanced Diploma

☐ Centennial College Certificate

Duration :

☐ 1 Semesters

☒ 4 Semesters

☐ 2 Semesters

☐ 6 Semesters

☐ 3 Semesters

☐ 8 Semesters

Campus:

ONLINE

Department Code:

3515

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 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
Semester 4	Winter 2024								
COMP214	Advanced Database Concepts	P=COMP122	2	2		ODL	4	14	56
COMP216	Networking for Software Developers	P=COMP100	2	2		ODL	4	14	56
COMP247	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
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 2025													
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 Grade Required: D															
										Total Program Hours:		1316			
C = Co-Requisite; P = Pre-Requisite															
Notes:															
♦ This course may be offered in one of the following modalities (Online, Hybrid or Blended)															