MODEL ROUTE										
	School of Engineering Technology and Applied Science	Program Number:	3422							
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:	PROGRESS	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 or Winter 2024									
	College Communications 2	P=COMM160 or COMM161		3			3		42	
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		56	
(3NED500)	Global Citizenship: from Social Analysis to Social Action			3			3	14	42	
MATH210	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2			4	14	56	
Camanatan A	Minter 2024 on Summer 2024							Total	364	
	Winter 2024 or Summer 2024 Advanced Database Concepts	P=COMP122	2	2			4	14	56	
	Networking for Software Developers	P=COMP100	2	2			4		56	
	Supervised Learning	P= COMP228 and COMP237 and MATH210	2	2			4		56	
COMP254	Data Structures and Algorithms	P=COMP228	2	2			4		56	
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2			1	1.4	E.C.	
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3			3		56	
								Total	322	
Break	Summer 2024									
Semester 5	Fall 2024									
	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			4	14	56	
COMP255�	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3			ODL	3		42	
COMP257	Unsupervised and Reinforcement Learning	P=COMP247 and COMP254	2	2			4		56	
	Neural Networks	P=COMP247 and COMP254	2	2			4	14	56	

COMP304	Mobile Apps Development	P=COMP228	2	2		4	14	56
							Total	308
Semester 6	Winter 2025							
COMP261	AI Ethics and Data Governance	P=COMP247 and COMP254	1	2		3	14	42
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
COMP264	Cloud Machine Learning	P = COMP247	2	1		3	14	42
COMP313�	Software Development Project 2	P=COMP231 and COMP303 and COMP304, or, COMP231 and COMP381, or, COMP231 and COMP305 and COMP305 and COMP3046 and COMP258	2	2	НҮВ	4	14	56
EMPS102	Employment Skills 2	P=COMM170 or COMM171		2		2	14	28
GNED♦	General Education Elective			3	ODL	3	14	42
							Total	322
Minimum Grad	le Required: D							
						Total Progr	ram Hours:	1316
C = Co-Requisite	e; P = Pre-Requisite							

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