MODEL ROUTE											
School:	School of Engineering Technology and Applied Science	Program Number:		3402							
Program Title:	Software Engineering Technology - Artificial Intelligence	Credential:		_		Graduate Certificate Degree Advanced Diploma Centennial College Certif		Certificate			
	☐ Co-Op ☐ Online			☐ 1 Seme	esters \square	4 Semesters					
Program Delivery Mode:	☐ Fast Track ☐ Hybrid ☐ Hybri	Duration :		☐ 2 Seme	esters 🗸	6 Semesters					
	☑ Non Co-op			☐ 3 Seme	esters	8 Semesters					
Campus:	PROGRESS	Department Code:	3515								
Intake:	Fall 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								ı		
COMM160/161 �	College Communications 1			3		ODL	3	14	42		
COMP100	Programming 1		2	2			4	14	56		
COMP120 ♦	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		
	W							Total	294		
Semester 2	Winter 2025 or Summer 2025	P=COMM160 or									
COMM170/171 ♦	College Communications 2	COMM161		3		ODL	3	14	42		
COMP122	Introduction to Database Concepts		2	2			4	14	56		
COMP123	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	42		
Drook	Summer 2025							Total	364		
Break	Juniner 2023										
Semester 3	Fall 2025										
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		
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		
								Total	322		
Semester 4	Winter 2026										
COMP214	Advanced Database Concepts	P=COMP122	2	2			4	14	56		
COMP216�	Networking for Software Developers	P=COMP100	2	2		HYB	4	14	56		

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		НҮВ	4	14	56
ENGL253♦	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42
								Total	322
Break	Summer 2026								
Semester 5	Fall 2026								
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			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			4	14	56
COMP258	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 2027								
COMP261�	AI Ethics and Data Governance	P=COMP247 and COMP254	1	2		НҮВ	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
COMP385 ♦	Artificial Intelligence Capstone Project	P=COMP246 and COMP258	2	2		НҮВ	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	e Required: D								
	Total Program Hours:							1932	
C = Co-Requisite; P = Pre-Requisite									

P= COMP228 and

C = Co-Requisite; P = Pre-Requisite

Notes:

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