		MODEL	ROL	JTE					
School:	School of Engineering Technology and Applied Science	Program Number:		3402					
Program Title:	Software Engineering Technology - Artificial Intelligence	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 Semes	sters 🗸	4 Semesters 6 Semesters 8 Semesters			
Campus:	PROGRESS	Department Code: 3515							
Intake:	Fall 2022 and Winter 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 1	Fall 2022 or Winter 2023								
COMM160/161	College Communications 1			3			3	14	42
COMP100	Programming 1		2	2			4	14	56
COMP120	Software Engineering Fundamentals		2	2			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			3	14	42
								Total	294
Semester 2	Winter 2023 or Summer 2023	D. COMMANDO				I			
COMM170/171	College Communications 2	P=COMM160 or COMM161		3			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			3	14	42
								Total	364
Break	Summer 2023								
Semester 3	Fall 2023								
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			3	14	42
MATH210	Linear Algebra and Statistics	P=MATH175 and MATH185	2	2			4	14	56
								Total	322
Semester 4	Winter 2024	ı	I						
L COLABOA A	TAIL CONTRACTOR CONTRACTOR	D COLIDADA		_					

COMP214

COMP216

COMP247

Advanced Database Concepts

Supervised Learning

Networking for Software Developers

P=COMP122

P=COMP100

COMP237 and

MATH210

P= COMP228 and

2

2

2

2

2

2

4

4

4

14

14

14

56

56

56

COMP254	Data Structures and Algorithms	P=COMP228	2	2		4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2		4	14	56
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3		3	14	42
							Total	322
Break	Summer 2024							
C	F-II 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		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 2025							
COMP261	Al Ethics and Data Governance	P=COMP247 and COMP254	1	2		3	14	42
COMP262	Natural Language Processing and Recommender Systems	P=COMP247 and COMP254	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 COMP391, or, COMP246 and COMP258	2	2	НҮВ	4	14	56
EMPS102	Employment Skills 2	P=COMM170 or COMM171		2		2	14	28
EMPS102 GNED�	Employment Skills 2 General Education Elective			2	ODL	2		28 42

**Total Program Hours:** 

1932

## C = Co-Requisite; P = Pre-Requisite

Minimum Grade Required: D

Notes:

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