

MODEL ROUTE

School:

School of Engineering Technology and Applied Science

Program Title:

Software Engineering Technology - Artificial Intelligence Co-op

Program Delivery Mode:

☒ Co-Op

☒ Online

☐ Fast Track

☐ Hybrid

☐ Non Co-op

Program Number:

3442

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 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								
COMM160/161	College Communications 1			3		ODL	3	14	42
COMP100	Programming 1		2	2		ODL	4	14	56
COMP120	Software Engineering Fundamentals		2	2		ODL	4	14	56
COMP213	Web Interface Design		4			ODL	4	14	56
GNED	General Education Elective			3		ODL	3	14	42
MATH175	Functions and Number Systems			3		ODL	3	14	42
								Total	294
Semester 2	Winter 2025 or Summer 2025								
COMM170/171	College Communications 2	P=COMM160 or COMM161		3		ODL	3	14	42
COMP122	Introduction to Database Concepts		2	2		ODL	4	14	56
COMP123	Programming 2	P=COMP100	2	2		ODL	4	14	56
COMP125	Client-Side Web Development	P=COMP100 and COMP213	2	2		ODL	4	14	56
COMP225	Software Requirements Engineering	P=COMP100, and, COMP120 or COMP391	2	2		ODL	4	14	56
COMP301	UNIX/Linux Operating Systems	P=COMP100	2	2		ODL	4	14	56
MATH185	Discrete Mathematics			3		ODL	3	14	42
								Total	364
Break	Summer 2025								
Semester 3	Fall 2025								
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
COOP421	Employment Preplacement	P=COMM160/161 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1	14	14
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	336
Work Term 1	Winter 2026								
COOP222	Co-op Work Placement 1					ODL			

Notes:

- ◆ This course may be offered in one of the following modalities (Online, Hybrid or Blended)
- ◆◆ This course may be offered in a compressed delivery 2 hours per week for a 7 week period.