		MODE	L RO	UTE					
School:	School of Engineering Technology and Applied Science	Program Number:		3419					
Program Title:	Software Engineering Technology Co-op			_		Graduate Certifica Advanced Diploma			
Program Delivery Mode:	✓ Co-Op Online Fast Track Hybrid Non Co-op	Duration :		☐ 1 Seme☐ 2 Seme☐ 3 Seme	sters 🗸	4 Semesters 6 Semesters 8 Semesters			
Campus:	PROGRESS	Department Code:		3515					
Intake:	Fall 2023 and Winter 2024								
munc.	Tun 2023 and Time 2024					Course	Total		
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 2023 or Winter 2024			2					
COMM160/161 COMP100	College Communications 1 Programming 1		2	3			3	14 14	42 56
COMP120	Software Engineering Fundamentals		2				4	14	56
COMP213	Web Interface Design		4				4	14	56
GNED	General Education Elective			3			3	14	42
MATH175	Functions and Number Systems			3			3	14	42
Competer 2	Winter 2024 or Summer 2024							Total	294
Semester 2 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				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		42
Break	Summer 2024							Total	364
DIEdk	Julillier 2024								
Semester 3	Fall 2024								
COMP214	Advanced Database Concepts	P=COMP122	2	2			4	14	56
COMP228	Java Programming	P=COMP123	2	2			4	14	56
COMP229	Web Application Development	P=COMP123 and COMP125	2	2			4	14	56
COMP246	Software Systems Design	P=COMP123 and COMP225	2	2			4	14	56
COOP321/421�	Employment Preplacement	P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1	14	14
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3			3	14	42
GNED500	Global Citizenship: from Social Analysis to Social Action			3			3		42
Work Term 1	Winter 2025							Total	322
COOP222	Co-op Work Placement 1								
Semester 4	Summer 2025								
COMP212	Programming 3	P=COMP123	2	2			4	14	56
COMP216	Networking for Software Developers	P=COMP100	2	2			4	14	56
COMP254	Data Structures and Algorithms	P=COMP228	2				4	14	56
COMP304	Mobile Apps Development Software Testing and Quality	P=COMP228	2	2			4	14	56
COMP311	Assurance	P=COMP123 P=MATH175 and	2	2			4	14	56
MATH210	Linear Algebra and Statistics	MATH185	2	2			4	14 Total	56 336
Work Term 2	Fall 2025							ıvlal	330
COOP331	Co-op Work Placement 2								
Semester 5	Winter 2026								

CNET307�	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2	ODL	3	14	42
COMP231�	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2	2	НҮВ	4	14	56
COMP303	Enterprise Application Development	P=COMP214 and COMP228	2	2		4	14	56
COMP308	Emerging Technologies	P=COMP228 and COMP229	2	2		4	14	56
COMP321�	Enterprise Systems Integration	P=COMP246	2	2	НҮВ	4	14	56
ELECT1	Technical Elective 1		2	1		3	14	42
							Total	308
Work Term 3	Summer 2026							
COOP332	Co-op Work Placement 3							
Semester 6	Fall 2026							
COMP255�	Business and Entrepreneurship for Software Engineering Technology	P=COMP225	3		ODL	3	14	42
COMP306	API Engineering and Cloud Computing	P=COMP212 and COMP229	2	2		4	14	56
COMP307	Software Security	P=COMP212 and COMP228	2	2		4	14	56
COMP309	Data Warehousing and Predictive Analytics	P=COMP214	2	2		4	14	56
COMP313�	Software Development Project 2	P=COMP231 and COMP303 and COMP304, or, COMP231 and COMP381, or, COMP231 and COMP305 and COMP305, or, COMP246 and COMP258	2	2	НҮВ	4	14	56
GNED	General Education Elective			3		3	14	42
							Total	308
Minimum Grade	Required: D							
						Total Progr	am Hours:	1932
C = Co-Requisite; P	= Pre-Requisite							
Notes: This course ma	y be offered in one of the following	; modalities (Online, Hy	brid or B	Blended)				
Technical Electives:								
COMP367�	DevOps Implementation		2	1	ODL	3	14	42
COMP377�	Al for Software Developers		2	1	ODL	3	14	42