MODEL ROUTE

School:	School of Engineering Technology and Applied Science - SDRE	**Program Number:**	3617
Program Title:	**Architectural Technology Co-op (Online)**	**Credential:**	☐ Certificate ☐ Graduate Certificate ☐ Degree ☐ Diploma ☑ Advanced Diploma
Program Delivery Mode:	☑ Co-Op ☑ Online ☐ Fast Track ☐ Hybrid ☐ Non Co-op	**Duration :**	☐ 2 Semesters ☐ 3 Semesters ☐ 4 Semesters ☐ 6 Semesters ☐ 8 Semesters ☑ 9 Semesters
Campus:	**ONLINE**		
Intake:	**Fall 2022/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/Winter 2023**					
ARCH-101*	Design and Computer Aided Drafting Project 1◈	C = ARCH-102	8	1		ODL	9	14	126
MATM-101*	Materials and Methods 1		0	2		ODL	2	14	28
ENVR-101*	Environment 1		0	2		ODL	2	14	28
ARCH-102	Architectural CAD 1	C = ARCH-101	2	0		ODL	2	14	28
MATH-111 * ◆	Mathematics for Architecture 1		0	3		ODL	3	14	42
COMM-170/171 ◆	College Communications 2		0	3		ODL	3	14	42
GNED	General Education Elective◈		0	3		ODL, BLD, HYB	3	14	42
							Total		336
Semester 2				**Winter 2023/Summer 2023**					
ARCH-121 *	Design and Computer Aided Drafting Project 2◈	P = ARCH-101, ARCH 102	8	1		ODL	9	14	126
MATM-122 *	Materials and Methods 2	P = MATM-101	0	2		ODL	2	14	28
ENVR-123 *	Environment 2	P = ENVR-101	0	2		ODL	2	14	28
ARAP-124 *	Applied Physics	P = MATH-111	0	3		ODL	3	14	42
MATH-112	Mathematics for Architecture 2	P = MATH-111	0	3		ODL	3	14	42
GNED-500	Global Citizenship: From Social Analysis to Social Action◈		0	3		ODL, BLD, HYB	3	14	42
							Total		308
Semester 3				**Fall 2023**					
ARCH-201 *	Design and Computer Aided Drafting Project 3	P = ARCH-121	8	1		ODL	9	14	126
ARCH-206	History of Architecture		0	2		ODL	2	14	28
MATM-202 *	Materials and Methods 3	P = MATM-122	0	2		ODL	2	14	28
ENVR-203 *	Environment 3◈	P = ENVR-123	0	2		ODL	2	14	28
ACHS-204	Construction Health & Safety◈		0	1		ODL	1	14	14
ARBC-205	Builders and Contractors		0	2		ODL	2	14	28
COOP-821	Employment Preplacement	P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed	0	2		ODL	1	14	14
							Total		266
Work Term 1 (Winter 2024)									
Co-op Work Placement 1									
Semester 4				**Summer 2024**					
ARCH-221 *	Design and Computer Aided Drafting Project 4	P = ARCH-201	8	1		ODL	9	14	126
ARBS-222 *	Building Services 1		0	2		ODL	2	14	28
ENVR-223 *	Environment 4 ◈	P = ENVR-203	0	2		ODL	2	14	28
ARGR-224	Architectural Graphics	P = ARCH 201	2	0		ODL	2	14	28
ARST-305 *	Structures	P = ARAP-124	0	3		ODL	3	14	42
GNED	General Education Elective◈		0	3		ODL, BLD, HYB	3	14	42
							Total		294

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Program Delivery Mode:	☑ Co-Op ☑ Online ☐ Fast Track ☐ Hybrid ☐ Non Co-op	Duration :	☐ 2 Semesters ☐ 3 Semesters ☐ 4 Semesters ☐ 6 Semesters ☐ 8 Semesters ☑ 9 Semesters

Campus:	ONLINE

Intake:	Fall 2022/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
Work Term 2 (Fall 2024)									
Co-op Work Placement 2									
Semester 5**					**Fall 2025**				
ARPM-225	Project Management◈		0	3		ODL	3	14	42
ARCH-301 *	Design and CAD Complex Project◈	P = ARCH-221	8	1		ODL	9	14	126
ARBS-302	Building Services 2	P = ARBS-222	0	2		ODL	2	14	28
ENVR-303 *	Environment 5◈	P = ENVR-223	0	2		ODL	2	14	28
ARPT-304	Advanced Presentation Techniques	P = ARGR-224	2	0		ODL	2	14	28
ARST-306	Advanced Structures	P = ARST-305	3	0		ODL	3	14	42
ARBW-307 *	Technical Writing	P = COMM 170/171	0	2		ODL	2	14	28
							Total		322
Work Term 3 (Summer 2025)									
Co-op Work Placement 3									
Semester 6					**Winter 2025**				
ARCH-321 *	Design and CAD Multi-Use Project◈	P = ARCH-221	12	1		ODL	13	14	182
ARCL-322	Contracts, law and professional practice & ethics◈		0	2		ODL	2	14	28
ENVR-323 *	Environment 6◈	P = ENVR-223	0	2		ODL	2	14	28
ARBL-324	Building within the Municipality◈		0	2		ODL	2	14	28
ARSW-325	Specification Writing & Contracts		2	0		ODL	2	14	28
ARPE-326	Understanding the Ontario Building Code◈		0	3		ODL	3	14	42
							Total		336
Minimum Grade Required: Min. Avg. Program GPA > or = 2.0 (C grade average)									
							Total Program Hours:		**1862**

C = Co-Requisite; P = Pre-Requisite

Notes:

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

Students must complete all course requirements in Semester 3 & 4 for entry into semester 5 & 6.

 * Minimum C-grade required in these courses for entry into year 3 and/or graduation from Technologist.

** Minimum 2.0 GPA required for entry into Semester 5 or 6.

◆ MATH-111 & COMM 170/171 must be successfully completed before the start of Semester 3.

Students must reside in Canada for an entire term (4 months) prior to starting their first coop work term.

Signature:	*Clarence Cheung*		29-Mar-22
	School Dean/Chair		Revised Date