		MODEL R	OUT	E							
School:	School of Engineering Technology and Applied Science - SDRE Program Number:			3825							
Program Title:	Heating, Refrigeration and Air Conditioning Technician	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								
Campus:	Progress Campus										
Intake:	Fall 2024/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/Winter 2025										
HRAC111	Acts, Regulations and Procedures		2			НҮВ	6		84		
HRAC112	Fundamentals of Cooling Cycles	CO=HRAC113	2				4		56		
HRAC113	Mechanical Cooling Cycle	CO=HRAC112	2	2		HYB	4	14	56		
HRAC124	Pipe Joining & Installation for Heating & Cooling		2	2			4	14	56		
MATH101	Mathematics 1		0			HYB	4		56		
COMM160/161	College Communication 1		0	3			3		42		
		147		- 10	2025			Total	350		
Semester 2	Electrical Fundamentals			.5/Summe				1.1	FC		
HRAC121 HRAC122	Mechanical Drawing & Prints	MATH101	2				5		56 70		
HRAC123	Heating Fundamentals	HRAC111	3				6		84		
COMM170/171	College Communication 2	COMM160/161	0				3		42		
GNED	General Education Elective		0				3		42		
GNED500	Global Citizenship: From Social Analysis to Social Action ♦		0	3		ODL, BLD, HYB	3	14	42		
				J		002, 020, 1110		Total	336		
Break (fall intake only)	Summer 2025										
Semester 3			Fa	all 2025							
HRAC211	Psychrometrics - Control		3	2			5	14	70		
HRAC212	System Design & Installation	HRAC122	3				6		84		
HRAC213	Electrical & Control Systems	HRAC121	3				5		70		
MATH216	Mathematics for HRAC Applied Ethics in Technology and the	MATH101	0	4		НҮВ	4	14	56		
AMEG212	Environment		0	2		ODL	2	14	28		
								Total	308		
Semester 4	Winter 2026										
HRAC221	Capstone Project	HRAC211, HRAC212, HRAC213	3	1			4	14	56		
HRAC222	Heating Hydronic Fundamentals	HRAC123	2	2		HYB	4	14	56		
HRAC223	Air Conditioning & Distribution Systems	HRAC212, HRAC122	2	4			6	14	84		
HRAC224	Advanced Electrical and Control Systems	HRAC213, MATH216	3	3			6	14	84		
GNED	General Education Elective		0			ODL, BLD, HYB	3		42		
								Total	322		
							Total Progr	am Hours:	1316		
C = Co-Requisite; P = Pre-Req	_l uisite										

			MODEL R	OUT	Е						
School:	School of Engineer Applied Science -	ring Technology and SDRE	Program Number:		3825						
Program Title:		rigeration and Air ing Technician	Credential:		☐ Certificate ☐ Graduate Certificate ☐ Degree ☐ Diploma ☐ Advanced Diploma						
Program Delivery Mode:	☐ Co-Op ☐ Online ☐ Hybrid ☐ Duration:				□ 2 Semesters □ 3 Semesters □ 4 Semesters □ 6 Semesters □ 8 Semesters						
Campus:	Progress Campus										
Intake:	Fall 2024/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	
Notes: ♦ Courses may be offered Overall GPA 2.0 required for		owing modalities (O	nline, Hybrid or Blend	led)				·			
Courses highlighted in Red 80% attendance in lecture	component to qu	ualify for G3 pratical	exams.						all lab cor	nponent ANI	
Gas Technician 3 and 2 Tes	sting takes place o	outside of regularly	scheduled classes. (ie	Engagen	nent Wee	k, Weekend	l, between ser	nesters)			
Signature:	Ch	oce Cheung				Mar	rch 28, 2024				

Revised Date

School Dean/Chair