

# Heating, Refrigeration & Air Conditioning Technician (T207)

Location: South Campus, Windsor  
 Program Length: Two years - Diploma  
 Start Date: September & January



This field offers above average wages, steady employment and a very challenging future. It is not unusual for heating, refrigeration and air conditioning technicians to work in various temperature environments, and in confined spaces or on rooftops. Because this is a service industry, the hours of work may vary from the usual 9 to 5 routine.

## KEY PROGRAM FEATURES

- Blend of hands on experience and theoretical training
- Apprenticeship possible following graduation in sheet metal, electrical, or refrigeration and air conditioning
- Eligibility to write Gas Technician 3 exam and Ozone Depletion Prevention Card

## PERSONAL CHARACTERISTICS

- ability to deal with the public
- dependable
- ability to make decisions
- work independently
- be orderly and perform tasks within a reasonable time period.

## EMPLOYMENT OPPORTUNITIES

Apprenticeship possibilities and job prospects are excellent, with above average wages and steady employment, with consulting firms, contracting firms (heating and cooling, sheet metal, and electrical) and refrigeration, wholesale and retail supply companies.



## ADMISSION REQUIREMENTS

**Applicants who started High School in Ontario prior to September 1999 (OSIS):**

OSSD with the majority of the credits at the general or advanced level or mature student status or equivalent.

**Applicants who started High School in Ontario in September 1999 or later (OSS):**

OSSD with courses at the College (C), University (U), University/College (M), or Open (O) level.

- grade 12 English (C) or (U)
- grade 12 Math (C) or (U)

## RECOMMEND:

Senior level Physics (C) or (U)

## ADDITIONAL EXPENSES

- Books and expendable supplies cost approximately \$700.00 per year.
- Uniforms and equipment will cost approximately \$105.00.
- Safety shoes and glasses

## GRADUATE STATISTICS - 2002

Graduates	% Working	Median Salary
13	89	\$24,351

## DIPLOMA REQUIREMENTS

Code	Credit	Course Name
<b>Semester 1</b>		
PSE700	2	Building Systems: Practice Overview
HRA100	2	Heating Systems I
HRA102	2	Heating, Ventilation - Air Conditioning Blueprints
HRA103	2	Heating Systems Practical I
HRA110	2	Refrigeration Theory I
HRA113	2	Refrigeration Practical I
HRA150	2	Electricity Theory I
HRA151	2	Electricity Practical I
HRA182	2	Sheet Metal Theory I
HRA190	3	Workplace Issues
<b>Semester 2</b>		
HRA200	2	Heating Systems Theory II
HRA202	2	Heating, Ventilation & Air Conditioning Design
HRA205	2	Heating Systems Practical II
HRA210	2	Refrigeration Theory II
HRA213	2	Refrigeration Practical II
HRA250	2	Electricity Theory II
HRA251	2	Electricity Practical II
HRA282	1	Sheet Metal Theory II
HRA283	1	Sheet Metal Practical I
MTH315	2	Applied Mathematics III
PE740	2	Power Plants: Practice Overview
GSS167G	3	Strategies for Success
<b>Semester 3</b>		
HO201G	3	Customer Service in the Modern Workplace
HRA300	2	Heating Systems Theory III
HRA303	2	Heating Systems Practical III
HRA310	2	Refrigeration Theory III
HRA314	3	Refrigeration Practical III
HRA315	3	Sheet Metal Theory III
HRA350	2	Electricity Theory III
HRA351	2	Electricity Practical III
HRA381	2	Sheet Metal Practical II
<b>Semester 4</b>		
HRA121	1	GAS Code I
HRA402	1	Heating Systems Theory IV
HRA404	3	Heating Systems Practical IV
HRA414	3	Refrigeration Practical IV
HRA415	1	Refrigeration Theory IV
HRA417	1	Electricity Theory IV
HRA423	3	Sheet Metal Theory IV
HRA453	3	Electricity Practical IV
HRA481	2	Sheet Metal Practical III
SBM100G	3	Small Business Exploration