

Oil Heat System Technician

This certificate level program is designed to provide a course of study that will prepare persons for employment in the residential heating industry, and further training during apprenticeship.

The Provincial Apprenticeship and Certification Board through legislative authority is responsible for the registration of apprentices and trade qualifiers into the designated occupations.

The registration of an apprentice will take place when an individual is employed in a field of work directly relating to a designated occupation, and has a Memorandum of Understanding (MOU) signed between the Division of Institutional and Industrial Education, an employer and the apprentice.

After successful completion of this program, and the required work experience, the apprentices qualify to write the Journeyman's Examination.

OBJECTIVES

1. To use and maintain tools, materials and equipment required for the maintenance and installation of heating systems (oil, and solid fuels).
2. To develop the basic knowledge and skill required to test and adjust residential heating systems.
3. To develop the basic knowledge and skill required to install residential heating systems.
4. To develop the basic knowledge and skill required to interpret trade blueprint schematics.

ENTRANCE REQUIREMENTS

Comprehensive Arts and Science Certificate (College Transition program),

OR

High School Graduation,

OR

Grade XI Certificate (Public Examinations or equivalent),

OR

Adult Basic Education (Level III) Graduation,

OR

Adult Basic Education (Level III) Graduation with General College Profile (or Business Related College Profile or Degree and Technical Profile). It is strongly recommended that courses include the following:

1. Mathematics MA3107A, MA3107B, MA3107C

2. Science 3101, 3102, 3103

OR

Persons 19 years of age or older who do not meet the educational prerequisite may be considered on an individual basis under the Mature Student Clause.

CERTIFICATE

- One year
- Start date varies
- Seal Cove Campus

COURSES

CODE	TITLE	Hrs
Block 1	Entry Level	
TS1510	Occupational Health and Safety	6
TS1520	WHMIS	6
TS1530	Standard First Aid	14
OM1120	Print Reading & Sketching	30
OM1130	Tools & Equipment	45
OM1141	House as a System	30
OM1151	Trade Practice	42
OM1230	Soldering, Flaring & Threading Pipes	30
OM1241	Fuel Storage Tanks	42
OM1251	Fuel Delivery Systems	40
OM1320	Combustion & Burner Air Handling Devices	35
OM1330	Electricity I (Principles Of Electricity)	30
OM1340	Electricity II (Electrical Devices & Ignition Systems)	30
OM1440	Controls & Wiring	75
OM1450	Motors	30
OM1470	Chimneys, Venting & Draft Control	30
OM1601	Hydronic Heating Systems	60
OM1611	Warm Air Furnaces	60
OM1620	Low Pressure Steam Systems	15
OM1630	Domestic Hot Water Heaters	30
MA1060	Basic Math	60
CM2150	Workplace Communications	45
MC1050	Introduction to Computers	30
MR1220	Customer Service	30
SP2330	Quality Assurance/Quality Control	30
SD1700	Workplace Skills	30
SD1710	Job Search Techniques	15
SD1720	Entrepreneurial Awareness	15
OT1240	Workplace Exposure	90
Block 2	Advanced Level	
OM1351	Electricity III (Solid State & Programmable Controls)	42
OM1461	Combustion Chambers	15
OM1640	Specialized Systems	30
OM1651	Zoning I (Hot Water System)	60
OM1660	Retrofit Systems	20
OM1670	Service & Troubleshooting	30
OM1680	Planned Maintenance	30
OM1691	Zoning II (Warm Air Systems)	15

