

Trade Description

Installs and services refrigeration and air conditioning systems

Sector: Construction

Key Skills or Attributes:

Good customer service, writing and communication skills, eye for detail, good coordination and manual dexterity. Good mechanical and math skills. Good physical condition and strength

Other Considerations (if applicable):

Work is mostly performed alone.

National Occupational Analysis: <http://www.red-seal.ca/tr.1d.2@-eng.jsp?tid=202>

Apprenticeable	Y	Trade Regulation Exists	Y
Journeyman to Apprentice Ratio	1:1	Compulsory Certified - ATQA	Y
Red Seal	Y	Compulsory Certified - Other	N

Applicable Legislation or Regulatory Authority:

Apprenticeship and Trades Qualifications Act

Trade Regulation Under Review: No

Order in Council Date: 2/29/2012

Training Pathways

Trades Qualifier Hours: 12,000 **Apprenticeship Hours:** 8000

Training Standards: Y **Technical Training Available:** Y

Available Training Options (if applicable)	
Program Name:	Provider:
Building Systems Technician (HVAC & R) Diploma (2 yr)	<i>NSCC</i>
Refrigeration & Air Conditioning Certificate (1 yr)	<i>NSCC</i>
Refrigeration & Air Conditioning Geothermal Certificate (1 yr)	<i>NSCC</i>

Pre-apprenticeship Statistics

Program Name: Building Systems Tech (HVAC&R)

Program Length: 2 Yr **Program Location:** Waterfront

Fall 2014-15 Applications 1st choice:	73	Enrolment 2014:	40
2nd choice:	24	Average Age:	23.8
Graduations 2014:	14	% Female:	5.0%

Program Name: Refrigeration & Air Conditioning

Program Length: 1 Yr **Program Location:** Lunenburg, Marconi

Fall 2014-15 Applications 1st choice:	82	Enrolment 2014:	38
2nd choice:	66	Average Age:	22.6
Graduations 2014:	29	% Female:	8%

Program Name: Refrigeration/AC - Geothermal

Program Length: 2 Yr **Program Location:** Cumberland

Fall 2014-15 Applications 1st choice:	33	Enrolment 2014:	19
2nd choice:	19	Average Age:	23.8
Graduations 2014:	17	% Female:	0

Program Name:

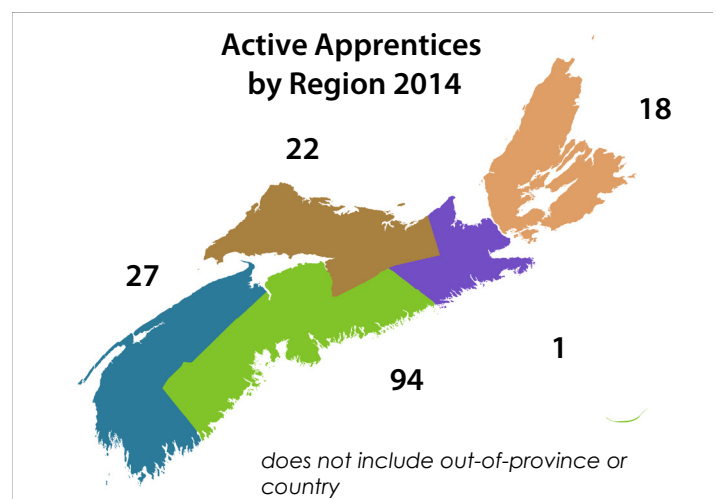
Program Length: **Program Location:**

Fall 2014-15 Applications 1st choice:		Enrolment 2014:	
2nd Choice:		Average Age:	
Graduations 2014:		% Female:	

Apprenticeship Statistics

Active Apprentices

As of Dec. 31, 2014	163
As of Dec. 31, 2013	140
# Female 2014	3
# Female 2013	2
New Apprentices 2014	47
Youth Apprentices 2014, Ages 16-19	2



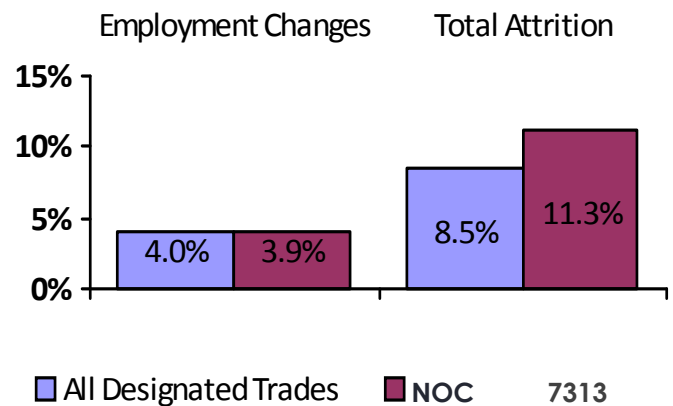
Apprenticeship Statistics

Certificates of Qualifications (CQ) Issued, 2014	
<u>Apprentices</u>	19
Pass Rate (CQ)	90
Red Seals Issued 2014	19
<u>Trade Qualifiers</u>	4
Pass Rate (CQ)	50
Red Seals Issued 2014	4
Active Employers w/Apprentices	72
Technical Training Attendance	68
Training Sessions Cancelled	0

Employment Outlook

Employment Prospect Call (2014-16): Fair
(good, fair, undetermined)

Employment Forecast (2014-16)



Total attrition=retirements+deaths

Workforce Statistics

2011 NOC Title: Refrigeration and Air Conditioning Mechanics

2011 NOC Group: 7313

Main Industries	NAICS Code	Employment Share (%)
1 Specialty trade contractors	238	51.4%
2 Other Industries	Other	37.1%
3 Repair and maintenance	811	6.7%

	NS	Canada		NS	Canada
Employment Change, 2006-11:	60	-2525	Employment 2011:	530	23940
Median Age (years):	44	41	% Females:	0	2
EI Claims, Average Monthly 2014:	75	NA	% Self-employed:	9	15
Median Employment Income (\$):	46,350	51,600	% in a CMA/CA:	42	85
Temporary Resident Work Permits, 2014 (as of Q2 2015)		77	% with post-secondary credential:	91	88

Resources

Careers Nova Scotia <http://careers.novascotia.ca/occupation/369>