

## Trade Description

Installs, repairs, and maintains electrical wiring and electrical equipment for industrial uses

**Sector:** Industrial/Manufacturing

### Key Skills or Attributes:

Manual dexterity & good planning, organizational and communication skills. Strong analytical, mathematical and problem-solving skills. Mechanical aptitude, good vision and hearing, ability to distinguish colours. Read & Interpret drawings & specs.

### Other Considerations (if applicable):

Work indoors and out in extreme climate conditions at variable heights and in confined spaces. Exposed to hazards and occupational risks like shocks and falls.

**National Occupational Analysis:** <http://www.red-seal.ca/tr.1d.2@-eng.jsp?tid=123>

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

### Applicable Legislation or Regulatory Authority:

Apprenticeship and Trades Qualifications Act

**Trade Regulation Under Review:** No

**Order in Council Date:** 10/6/2009

## 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:

Electrical Program	<i>Memorial High School</i>
Electrical - Construction & Industrial Certificate (1 yr)	<i>NSCC</i>
Electrical - Construction & Industrial Diploma (2 yr)	<i>NSCC</i>
Electrical Technician (ELTN) Diploma	<i>NSCC</i>
Electro Mechanical Technician Diploma (2 yr)	<i>NSCC</i>
Pre-Employment Construction Electrician Program	<i>Carpenter Millwright Trades College/IBEW</i>

## Pre-apprenticeship Statistics

<b>Program Name:</b>	Electrical-Const & Indus - Cer		
<b>Program Length:</b>	1 Yr	<b>Program Location:</b>	Cumberland, Kingstec, Lunenburg, Marconi, Shelburne, Strait Area, Waterfront
<b>Fall 2014-15 Applications 1st choice:</b>	1210	<b>Enrolment 2014:</b>	222
<b>2nd choice:</b>	510	<b>Average Age:</b>	23.1
<b>Graduations 2014:</b>	218	<b>% Female:</b>	7.0%

<b>Program Name:</b>	Electrical-Const & Indus - Dip		
<b>Program Length:</b>	2 Yr	<b>Program Location:</b>	Strait Area
<b>Fall 2014-15 Applications 1st choice:</b>	44	<b>Enrolment 2014:</b>	19
<b>2nd choice:</b>	14	<b>Average Age:</b>	21.2
<b>Graduations 2014:</b>	9	<b>% Female:</b>	5%

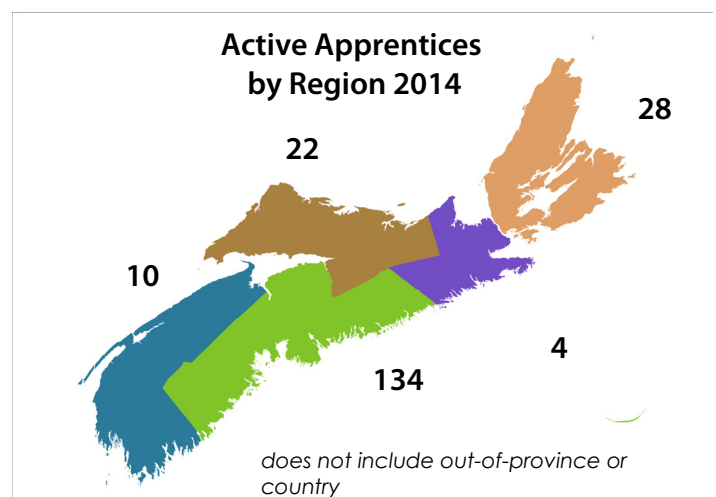
<b>Program Name:</b>	Electrical Technician		
<b>Program Length:</b>	2 Yr	<b>Program Location:</b>	Kingstec
<b>Fall 2014-15 Applications 1st choice:</b>	55	<b>Enrolment 2014:</b>	41
<b>2nd choice:</b>	31	<b>Average Age:</b>	22.2
<b>Graduations 2014:</b>	0	<b>% Female:</b>	7%

<b>Program Name:</b>	Electro Mechanical Technician		
<b>Program Length:</b>	2 Yr	<b>Program Location:</b>	Pictou
<b>Fall 2014-15 Applications 1st choice:</b>	35	<b>Enrolment 2014:</b>	31
<b>2nd Choice:</b>	15	<b>Average Age:</b>	21.7
<b>Graduations 2014:</b>	14	<b>% Female:</b>	3%

## Apprenticeship Statistics

### Active Apprentices

As of Dec. 31, 2014	206
As of Dec. 31, 2013	244
# Female 2014	15
# Female 2013	17
<b>New Apprentices 2014</b>	<b>37</b>
<b>Youth Apprentices 2014, Ages 16-19</b>	<b>1</b>



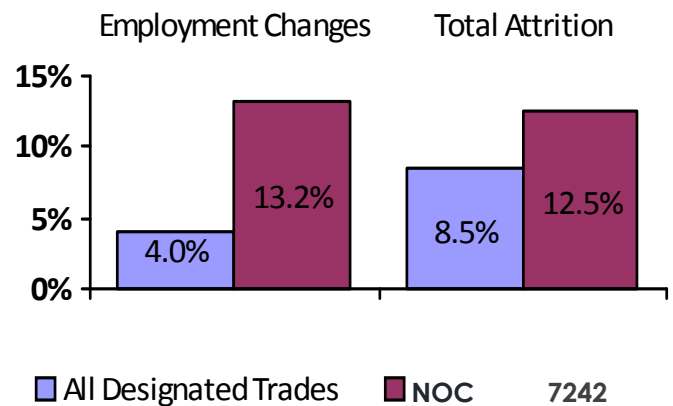
## Apprenticeship Statistics

<b>Certificates of Qualifications (CQ) Issued, 2014</b>	
<u>Apprentices</u>	15
Pass Rate (CQ)	79
Red Seals Issued 2014	15
<u>Trade Qualifiers</u>	13
Pass Rate (CQ)	45
Red Seals Issued 2014	13
<b>Active Employers w/Apprentices</b>	60
<b>Technical Training Attendance</b>	674
<b>Training Sessions Cancelled</b>	

## Employment Outlook

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

### Employment Forecast (2014-16)



*Total attrition=retirements+deaths*

## Workforce Statistics

**2011 NOC Title:** Industrial Electrician

**2011 NOC Group:** 7242

Main Industries	NAICS Code	Employment Share (%)
1 Other Industries	Other	67.2%
2 Federal government public administration	911	14.3%
3 Paper manufacturing	322	9.2%

	NS	Canada		NS	Canada
<b>Employment Change, 2006-11:</b>	285	3690	<b>Employment 2011:</b>	590	24800
<b>Median Age (years):</b>	43	46	<b>% Females:</b>	0	2
<b>EI Claims, Average Monthly 2014:</b>	113	NA	<b>% Self-employed:</b>	0	2
<b>Median Employment Income (\$):</b>	60,700	70,850	<b>% in a CMA/CA:</b>	53	75
<b>Temporary Resident Work Permits, 2014 (as of Q2 2015)</b>	6	248	<b>% with post-secondary credential:</b>	97	92

## Resources

**Careers Nova Scotia** <http://careers.novascotia.ca/occupation/353>