

## Trade Description

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Repairs, maintains, and installs industrial measuring and controlling equipment

**Sector:** Industrial/Manufacturing

**Key Skills or Attributes:**

Manual dexterity, attention to detail, strong problem solving and communication skills and mathematical and scientific aptitude

**Other Considerations (if applicable):**

Hazardous environments. Exposure to confined spaces, heights, noise, dust, cold and heat. Work with chemicals, gases, radiation, lasers and substances under pressure. Ability to work within standards, codes & regulations.

**National Occupational Analysis:** <http://www.red-seal.ca/tr.1d.2@-eng.jsp?tid=130>

|                                       |     |                                     |   |
|---------------------------------------|-----|-------------------------------------|---|
| <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

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

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

| <b>Available Training Options (if applicable)</b> |                  |
|---|------------------|
| <b>Program Name:</b>                              | <b>Provider:</b> |
| Electro Mechanical Technician Diploma (2 yr)      | <i>NSCC</i>      |
| Electronic Engineering Technology Diploma (2 yr)  | <i>NSCC</i>      |
| Industrial Instrumentation Diploma (2 yr)         | <i>NSCC</i>      |

## Pre-apprenticeship Statistics

**Program Name:** Electro Mechanical Technician

**Program Length:** 2 Yr **Program Location:** Pictou

|                                       |    |                        |      |
|---------------------------------------|----|------------------------|------|
| Fall 2014-15 Applications 1st choice: | 35 | <b>Enrolment 2014:</b> | 31   |
| 2nd choice:                           | 15 | <b>Average Age:</b>    | 21.7 |
| Graduations 2014:                     | 14 | <b>% Female:</b>       | 3.0% |

**Program Name:** Industrial Instrumentation

**Program Length:** 2 Yr **Program Location:** Marconi

|                                       |     |                        |      |
|---------------------------------------|-----|------------------------|------|
| Fall 2014-15 Applications 1st choice: | 115 | <b>Enrolment 2014:</b> | 42   |
| 2nd choice:                           | 41  | <b>Average Age:</b>    | 20.1 |
| Graduations 2014:                     | 17  | <b>% Female:</b>       | 7%   |

**Program Name:**

**Program Length:** **Program Location:**

|                                       |                        |
|---------------------------------------|------------------------|
| Fall 2014-15 Applications 1st choice: | <b>Enrolment 2014:</b> |
| 2nd choice:                           | <b>Average Age:</b>    |
| Graduations 2014:                     | <b>% Female:</b>       |

**Program Name:**

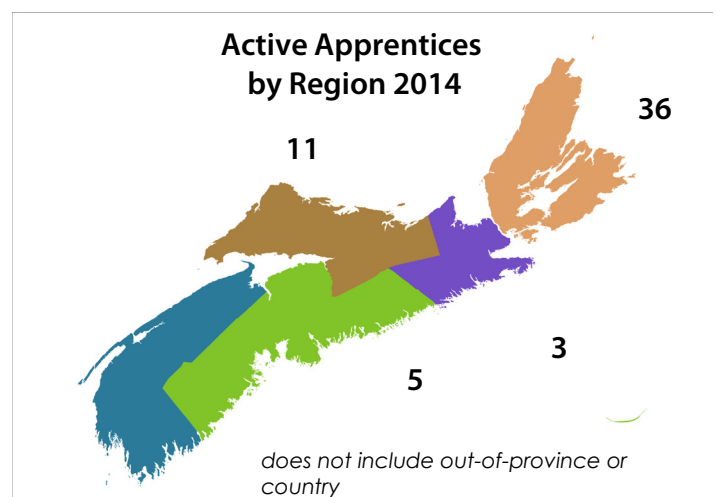
**Program Length:** **Program Location:**

|                                       |                        |
|---------------------------------------|------------------------|
| Fall 2014-15 Applications 1st choice: | <b>Enrolment 2014:</b> |
| 2nd Choice:                           | <b>Average Age:</b>    |
| Graduations 2014:                     | <b>% Female:</b>       |

## Apprenticeship Statistics

### Active Apprentices

|   |           |
|---|-----------|
| As of Dec. 31, 2014                       | 58        |
| As of Dec. 31, 2013                       | 56        |
| # Female 2014                             | 2         |
| # Female 2013                             | 2         |
| <b>New Apprentices 2014</b>               | <b>11</b> |
| <b>Youth Apprentices 2014, Ages 16-19</b> | <b>0</b>  |



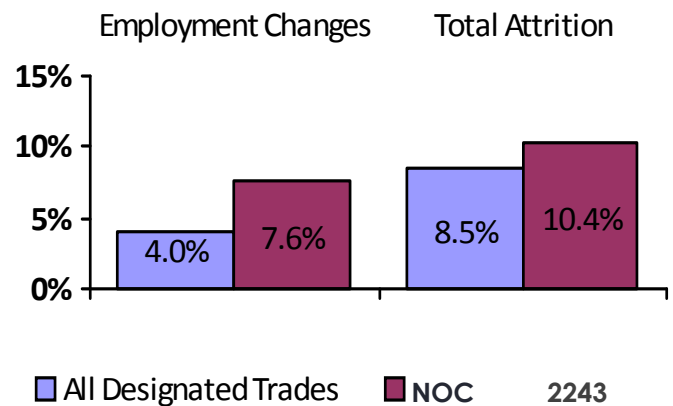
## Apprenticeship Statistics

|   |    |
|---|----|
| <b>Certificates of Qualifications (CQ) Issued, 2014</b> |    |
| <u>Apprentices</u>                                      | 5  |
| Pass Rate (CQ)  | 56 |
| Red Seals Issued 2014                                   | 5  |
| <u>Trade Qualifiers</u>                                 | 3  |
| Pass Rate (CQ)  | 75 |
| Red Seals Issued 2014                                   | 3  |
| <b>Active Employers w/Apprentices</b>                   | 18 |
| <b>Technical Training Attendance</b>                    | 0  |
| <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 Instrument Technicians and Mechanics

**2011 NOC Group:** 2243

| Main Industries                                   | NAICS Code | Employment Share (%) |
|---|------------|----------------------|
| 1 Industries                                      | Other      | 70.5%                |
| 2 Professional, scientific and technical services | 541        | 11.7%                |
| 3 Oil and gas extraction                          | 211        | 10.0%                |

|  | NS     | Canada |  | NS  | Canada |
|--|--------|--------|--|-----|--------|
| <b>Employment Change, 2006-11:</b>                           | 95     | 2150   | <b>Employment 2011:</b>                  | 120 | 8185   |
| <b>Median Age (years):</b>                                   | 38     | 41     | <b>% Females:</b>                        | 0   | 4      |
| <b>EI Claims, Average Monthly 2014:</b>                      | 60     | NA     | <b>% Self-employed:</b>                  | 0   | 6      |
| <b>Median Employment Income (\$):</b>                        | 64,750 | 74,700 | <b>% in a CMA/CA:</b>                    | 50  | 70     |
| <b>Temporary Resident Work Permits, 2014 (as of Q2 2015)</b> | 10     | 765    | <b>% with post-secondary credential:</b> | 100 | 90     |

## Resources

Careers Nova Scotia <http://careers.novascotia.ca/occupation/61>