

# TRAINING SCHEDULE

## apprenticeship

2016-17



## **D**eclaration of Waiver

The information in this Training Schedule was valid at the time of posting. The Nova Scotia Apprenticeship Agency reserves the right to make changes without prior notice affecting, but not limited to, such areas as fees, course scheduling, instructor availability, programs of study and general regulations. If you have questions, please contact your **Training Officer**.

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## general information

### Online Learning

The Virtual Campus of the Nova Scotia Community College, in partnership with the Apprenticeship Agency, provides apprentices the opportunity to access training through the internet. Apprentices can access training from home, work or wherever an internet connection is available. Training is offered in a course-based format (each course equals a 30-hour credit).

Individuals are not required to purchase computer equipment to participate in online learning: Terminals are available in the libraries of Nova Scotia Community College campuses, as well as in community CAP sites. Tuition for apprentices is a flat fee of \$90.20 per online course and participants are also responsible for purchasing textbooks and other resource materials. Please visit our website [here](#) for additional information.

The online courses offered at NSCC's Virtual Campus are noted throughout this training schedule. They are also listed on NSCC's Virtual Campus site: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

Apprentices who access online training should complete one level/group of courses per year.

### Foundations for Success

#### Disability Services

The Agency is committed to providing apprentices who have documented disabilities with reasonable, equitable and safe accessibility to programs and services offered in the apprenticeship training program. The Agency can arrange to have reasonable and appropriate accommodation provided for apprentices if there is sufficient time for planning and implementation. Therefore, early identification is encouraged.

It is your responsibility to self-identify a disability and to supply all current supporting documentation such as that from prior educational institutions and agencies, doctor's certificates, psycho-educational assessments and Individual Program Plans (IPPs).

#### Special Needs

If you have any concerns about your potential for success in the apprenticeship program, we encourage you to contact your Training Officer to arrange a confidential meeting. Together, you and the Training Officer will identify support services which may be available to help you succeed in apprenticeship. These supports may include refresher courses, tutoring, reader-assisted examinations, prior learning assessments and learning plan development.

For more information on these services, please contact your [Training Officer](#).

## Terms and Conditions

Apprenticeship Training reserves the right to remove individuals from technical training at its sole discretion and without notice. Individuals will be removed for reasons such as, but not limited to: not meeting the requirements of the attendance policy; displaying unruly or disruptive behavior; etc.

### Attendance Policy

A mandatory attendance policy applies to all training to ensure compliance with the *Apprenticeship and Trades Qualifications Act* and General Regulations, Service Canada funding requirements and employer expectations, and to recognize the intensive nature of the training courses.

For apprenticeship technical training, prompt and regular attendance is required of all clients. If a client is unable to attend training, they must inform the school prior to commencement of class. Upon return to class, it is the responsibility of the client to meet with the instructor to make arrangements to complete the course work. If a client is unable to complete the required course work due to absenteeism, they will be required to retake the training.

Apprentices must participate in the required technical training. The Nova Scotia Apprenticeship Agency reserves the right to inform employers and Service Canada of absences from training.

### Required Participation | Notice

Apprentices must participate in the required technical training. Refusal to do so for two successive sections of training may result in cancellation from the program.

Apprentices must notify their Training Officer if their mailing address or employer's information has changed.

## Training Costs and Payments

To register for in-class technical training (ie, a level or *group* of courses), complete a Technical Training Enrolment Form (available on our website, [nsapprenticeship.ca](http://nsapprenticeship.ca)) and submit it,

along with a non-refundable and non-transferable tuition *deposit*, to the Apprenticeship Agency.

The tuition *balance* must be paid to the Training Provider on the first day of classes. Failure to remit the full tuition balance on the first day of classes will result in an individual's removal from technical training and forfeiture of their tuition deposit.

### Payment Info

**All offices** | Certified cheque, company cheque or money order (payable to Minister of Finance), debit card, VISA or Mastercard

**Mailed payments** | Certified cheque, company cheque or money order (payable to Minister of Finance), VISA or Mastercard (credit card information can be entered on the Technical Training Enrolment Form)

## Training Registration and Deadlines

Training Providers will not permit an individual to attend technical training unless they have been registered through the Apprenticeship Agency. Once you are registered to attend in-class technical training (assigned a seat), you will receive a course scheduling package four to six weeks prior to the beginning of training. If you do not receive a course scheduling package, please contact your Training Officer.

If you miss the deadlines, training may be full. Do not hesitate: Complete the Technical Training Enrolment Form (TTEF) as soon as possible and submit it, along with the tuition deposit, to the Apprenticeship Agency. If seats are available, they will be assigned on a first-come, first-served basis.

The registration procedures for both in-class and online training are outlined on our website: [nsapprenticeship.ca/apprentices/training/technical-training](http://nsapprenticeship.ca/apprentices/training/technical-training)

The registration deadline for training is May 20, 2016

Tuition deposits will NOT be accepted without the completed TTEF.

Deadlines!

## Training and Exam Locations

NSCC Virtual Campus  
(Online Learning)

[www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

NSCC Akerley Campus

21 Woodlawn Road, Dartmouth

NSCC Burridge Campus

372 Pleasant Street, Yarmouth

NSCC Dartmouth Gate Site

375 Pleasant Street, Dartmouth

NSCC Institute of Technology Campus

5685 Leeds Street, Halifax

NSCC Kingstec Campus

236 Belcher Street, Kentville

NSCC Lunenburg Campus

75 High Street, Bridgewater

NSCC Marconi Campus

1240 Grand Lake Road, Sydney

NSCC Pictou Campus

39 Acadia Avenue, Stellarton

NSCC Shelburne Campus

1575 Lake Road, Shelburne

NSCC Truro Campus

36 Arthur Street, Truro

NSCC Waterfront Campus

80 Mawiomi Place, Dartmouth

Insulator (Heat and Frost), Local 116

106 Chain Lake Drive, Unit 2 D, Halifax

UA Local 56, Plumbers and Pipefitters

40 Neptune Crescent, Dartmouth

# A

## pprenticeship Celebration Event

Each year, the Nova Scotia Apprenticeship Board hosts two Apprenticeship Celebration Events to honour newly certified journeypersons who have successfully completed their training and obtained a Certificate of Qualification. All newly certified journeypersons and their employers will receive an invitation to this free celebration approximately six weeks prior to the event, and a reply is required. Funding for these events is provided by our partners in labour and industry.



These events also recognize the contributions of employers and mentors in the training of apprentices. The Mentor/Coach Award of Excellence is given to an employer, supervisor, instructor or other mentor who has served as a positive role model in the trade by demonstrating enthusiasm and interest in the progress of their apprentice(s). Nomination forms are included with the journeypersons' invitations.

The Apprentice Award of Excellence is given to a newly certified journeyperson who has made outstanding contributions toward forwarding the professional image of the employer, supporting others in the workplace and demonstrating a strong work ethic and community involvement. Nomination forms for this award are included with the employers' invitations.

Hope to see you there – watch for your invitation!

## financial info, awards + grants

### **F**inancial Support

#### Scholarships for Apprentices Attending NSCC

The construction industry has created a number of scholarships in celebration of the 150th Anniversary of the Construction Association of Nova Scotia (CANS). Many of these are available to apprentices participating in construction and related occupations to offset their NSCC expenses.

Please visit NSCC's website for more information about scholarships and bursaries: [www.nsc.ca/admissions/scholarships\\_and\\_bursaries](http://www.nsc.ca/admissions/scholarships_and_bursaries)



#### Canada Apprentice Loan

In January 2016, the Canada Apprentice Loan - an initiative of the Government of Canada - was launched to help individuals complete their apprenticeship in a designated Red Seal trade. Individuals can apply for up to \$4,000 in interest-free loans per period of technical training. Visit the Government of Canada site for details: [www.esdc.gc.ca/en/support\\_apprentices/loans.page](http://www.esdc.gc.ca/en/support_apprentices/loans.page)

#### Employment Insurance Benefits

You may be entitled to Employment Insurance benefits (through Service Canada) while participating in apprenticeship technical training in Nova Scotia, or other financial assistance. Visit our site for details: [nsapprenticeship.ca/about/financial-assistance/ei-benefits](http://nsapprenticeship.ca/about/financial-assistance/ei-benefits)

### **A**wards and Grants

Taxable awards and grants are available to registered apprentices:

Details, eligibility requirements and application procedures for these awards and grants are available on the Agency website. Click [here](#) for information.

- Apprenticeship Incentive Grant (AIG) for Levels 1 & 2: \$1,000 for all Red Seal trades
- Apprenticeship Completion Grant (ACG): \$2,000 for all Red Seal trades
- There are also provincial Apprenticeship Progression and Completion awards for levels 3 & 4 | Groups C & D are also available. See below for details.

#### Provincial Apprenticeship Progression & Completion Awards

These awards are taxable cash grants available to registered apprentices who successfully complete level 3 (and 4, in trades with 5 levels) of technical training in Red Seal non-Red Seal trades, as well as to those who receive a Certificate of Apprenticeship in non-Red Seal trades.



**T**he provincial awards are processed twice yearly:

- For clients who meet the criteria and who apply between the months of Jan. and June, the award will be processed in September.
- For clients who meet the criteria and who apply between the months of July and December, the award will be processed the following April.

**Applications must be received within six months of achieving eligibility.**

Applications for the Provincial Apprentice Progression Award and the Provincial Apprentice Completion Award are available online.

The Apprentice Award Trust was established by the Province in April 2008 to assist in reducing the financial burden on apprentices as they work towards trade certification. The Trust is administered by non-governmental Trustees who are involved in the trades and appointed by the Minister of Labour and Advanced Education.

The table below outlines the awards that are available for apprentices who are registered in non-Red Seal trades:

- The Apprentice Progression Award (APA) is \$750.00 for those who have successfully completed all technical training and have received a Certificate of Apprenticeship in a non-Red Seal trade.
- The Apprentice Completion Award (ACA) is \$2,000.00 for those who have successfully completed all technical training, have successfully completed the certification exam and have received a Certificate of Apprenticeship and in a non-Red Seal trade.

## Awards and Grants Eligibility at a Glance

### | Non-Red-Seal Trades

NON-RED SEAL TRADE	APA	ACA
	\$750	\$2,000
Boat Builder		Yes
Gas Fitter Level 3	Yes	
Gas Fitter Level 2	Yes	
Gas Fitter Level 1		Yes
Power Engineer 4th	Yes	
Power Engineer 3rd	Yes	
Power Engineer 2nd		Yes

The table on the following page outlines the awards and grants that are available for apprentices who are registered in Red Seal trades: the Apprenticeship Incentive Grant (AIG), the Apprentice Progression Award (APA) and the Apprenticeship Completion Grant (ACG).

## Awards and Grants Eligibility at a Glance | Red Seal Trades



RED SEAL TRADE	AIG		APA		ACG	ACA
	\$1,000	\$1,000	\$750	\$750	\$2,000	\$2,000
Industrial Electrician	Successful completion of Level 1/ Group A training & 2,000 hrs	Successful completion of Level 2/ Group B training & 4,000 hrs	Successful completion of Level 3	Successful completion of Level 4	Successful completion of Level 4/E	
Automotive Service Tech** Boilermaker Bricklayer Carpenter Construction Electrician Heavy Duty EquipTech Industrial Mechanic Millwright Instrum & Control Tech Machinist Metal Fabricator** Motor Vehicle Body Repairer Plumber Powerline Technician Refrigeration & A/C Mechanic Sheet Metal Worker Steamfitter-Pipefitter Truck & Transport Mech	See above	See above	Successful completion of Level 3/Group C  Metal Fab: See note below	N/A	Successful completion of all rqmts of program & pass the Red Seal exam	AST: See note below
Cook Insulator (Heat and Frost) Ironworker (Generalist) Ironworker (Struc/Ornam) *Ironworker (Reinforcing) see last row for information* Landscape Horticulturist Oil Heat System Technician Roofer Sprinkler System Installer Welder	See above	See above	N/A	N/A	Successful completion of all rqmts of program & pass the Red Seal exam	
Ironworker (Reinforcing) Mobile Crane Operator						

**\*\* Automotive Service Technician:** Apprentices who receive Service Station Mechanic certification are not eligible for the Apprentice Completion Award (ACA). The final award they will receive is the Apprentice Progression Award (APA) upon successful completion of Level 3. If they continue for the complete AST certification, they will be eligible for the Apprenticeship Completion Grant.

**\*\* Metal Fab:** Due to the national trade harmonization project, Metal Fabricator will be going from four levels of training to three (harmonized) levels. This transition will be phased in, level-by-level, over a 3-year period. Thus, any clients registering for Level-1 training will, as they progress, only be eligible for two AIG grants (\$1000 after level 1 and another \$1000 after level 2 ) plus the ACG of \$2000 upon successful completion of the apprenticeship program and Red Seal exam.

## training + dates

### ASEP – GM Auto Service Education

19T-3	7 Weeks	Sep 6 – Oct 21, 2016	Akerley Campus
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19T-4	7 Weeks	Jan 9 – Feb 24, 2017	Akerley Campus
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### Automotive Service Technician

#### Online Courses

Various Automotive Service Technician courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

Level 1		6 Week Session(s)	
ASTA 1831	Fundamental Skills	Sep 6 – Oct 14, 2016	Akerley Campus
ASTA 1832	Chassis Systems 1	May 15 – Jun 23, 2017	Akerley Campus
MPOA 1800	Basic Welding		
ASTA 1833	Non-ABS Brake Systems		
ASTA 1834	Electrical and Electronic Systems		
ASTA 1835	Maintenance Inspection & Body Adjustment		
Level 2		6 Week Session(s)	
ASTA 1851	Engine Principles & Fuel Delivery Sys	Sep 6 – Oct 14, 2016	Akerley Campus
ASTA 1817	Engine Cooling and Lubrication	Jan 9 – Feb 17, 2017	Akerley Campus
ASTA 1804	Starting and Charging Systems	Mar 20 – Apr 28, 2017	Marconi Campus
ASTA 1836	Lighting and Wiper Systems	May 1 - June 9, 2017	Pictou Campus
ASTA 1805	Ignition Systems		
ASTA 1837	Chassis Systems 2		

## Automotive Service Technician *continued...*

Level 2-Lite		4 Week Session(s)	
ASTA 1836	Lighting and Wiper Systems	*Course ASTA 1804, Starting and Charging Systems, <u>may not</u> be required for some individuals. Please contact your Training Officer for information.	
ASTA 1837	Chassis Systems 2		
ASTA 1805	Ignition Systems		
*ASTA 1804	*Starting and Charging Systems		
		Jan 9 – Feb 3, 2017	Akerley Campus
		Mar 6 – Mar 31, 2017	Akerley Campus
		Oct 25 - Jan 20, 2017 (part-time, evenings/wkends)	Burridge Campus
		Apr 3 - Apr 28, 2017	Marconi Campus
		May 15 - June 9, 2017	Pictou Campus
Level 3		7 Week Session(s)	
ASTA-1843	Final Drive Systems	Oct 24 - Dec 9, 2016	Akerley Campus
ASTA-1847	Vehicle Alignment	Feb 13 - Mar 31, 2017	Akerley Campus
ASTA-1839	Gasoline Fuel Systems	Apr 24 - June 9, 2017	Akerley Campus
ASTA-1840	Vehicle Management Systems	Jan 23 - Apr 21, 2017 (part-time, evenings/wkends)	Burridge Campus
ASTA-1841	Intake & Emission Systems / Veh Insp		
ASTA-1845	Alternate Fuels and Energy Sources	May 8 - June 23, 2017	Marconi Campus
ASTA-1846	ABS Brake and Restraint Systems		
Level 4		7 Week Session(s)	
ASTA 1838	Engine Repair	Oct 31 - Dec 16, 2016	Akerley Campus
ASTA 1842	Manual Transmissions & Transaxles / Clutches and Flywheels	Feb 27 – Apr 13, 2017	Akerley Campus
ASTA 1844	Diesel Fuel Injection Systems	Apr 24 – June 9, 2017	Akerley Campus
ASTA 1848	Electrical and Electronic Systems 2		
ASTA 1849	Automatic Transmissions and Transaxles		
ASTA 1850	Heating, Ventilation and Air Conditioning Systems		
ASTA 1830	Program Review		

## Blaster

The following Blaster courses are available

- Blasting Safety Course:
  - ONLINE: Visit NSCC's Online Learning website for details:  
[www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)
- Blaster Certification Renewal Course:
  - ONLINE: How to apply:  
[nsapprenticeship.ca/sites/default/files/docs/pubs/Online\\_Info\\_Sheet.pdf](http://nsapprenticeship.ca/sites/default/files/docs/pubs/Online_Info_Sheet.pdf)
  - IN-CLASS: TBD

How to apply for the IN-CLASS sessions: Complete and submit the Technical Training Enrolment Form with fee: [www.nsapprenticeship.ca/TTEF-submission](http://www.nsapprenticeship.ca/TTEF-submission)

## Boilermaker Level Exam for Entry, 1 and 2

Entry Level	6 Weeks	Apr 3 – May 12, 2017	Marconi Campus
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Level 1	6 Weeks	Feb 21 – Mar 31, 2017	Marconi Campus
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Level 2	6 Weeks	Jan 9 – Feb 17, 2017	Marconi Campus
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Level 3	6 Weeks	Nov 7 – Dec 16, 2016	Marconi Campus
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**Boilermaker note:** Apprentices must pass the Level Exam at the end of Entry Level, Level 1 and Level 2 in order to progress to the next level of training.

## Bricklayer Level Exam Required for Level 1

Level 1 (Harmonized)	8 Weeks	May 8 - June 30, 2017	Dartmouth Gate
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**Bricklayer note:** Apprentices must pass the Level-1 Exam at the end of training in order to progress to the next level of training.

**Bricklayer *continued*...****Level Exam Required for Level 2****Level 2 (Harmonized)****6/7 Weeks****Dartmouth Gate**

- Individuals who completed the new Level 1 (in 2015-16) must attend Mar 20 - Apr 28, 2017.
- Individuals who completed the old Level 1 must attend from Mar 13 - Apr 28, 2017. The extra week is to cover Non-load Bearing Walls.

Apprentices must pass the Level-2 Exam at the end of training in order to progress.

**Group C – Bricklayer****7 Week Session(s)**

BRKA 1815	Fireplaces	Jan 16 - Mar 3, 2017	Dartmouth Gate
BRKA 1814	Chimneys		
BRKA 1813	Openings & Frames / Arches		
*BRKA 1816	Barbecues / Steps & Patios		
*BRKA 1817	Refractory / Glass Blocks		
*BRKA 1819	Prefabrication / Contracting & Record Keeping		
*BRKA 1820	Program Review		

**Carpenter****Online Courses**

Various Carpenter courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

**Level Exam Required for Level 1**

<b>Level 1 (Harmonized)</b>	<b>8 Weeks</b>	<b>Oct 24 - Dec 16, 2016</b>	<b>Akerley Campus</b>
<b>Level 1 (Harmonized)</b>	<b>8 Weeks</b>	<b>Apr 3 - May 26, 2017</b>	<b>Akerley Campus</b>
<b>Level 1 (Harmonized)</b>	<b>8 Weeks</b>	<b>Sept 12 - Nov 4, 2016</b>	<b>Marconi Campus</b>
<b>Level 1 (Harmonized)</b>	<b>8 Weeks</b>	<b>Jan 9 - March 3, 2017</b>	<b>Potlotek</b>

Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.

## Carpenter *continued...*

Level 2		5 Week Session(s)	
CARA 1821	Gable Roofs	Jan 9 - Feb 10, 2017	Akerley Campus
CARA 1803	Equal Sloped Hip Roofs	Apr 3 - May 5, 2017	Akerley Campus
CARA 1804	Intersecting Roofs of Equal Slope	Nov 14 - Dec 16, 2016	Marconi Campus
CARA 1826	Windows and Doors	Apr 24 - May 26, 2017	Potlotek
CARA 1806	Exterior Siding / Cladding		

  

Level 3		5 Week Session(s)	
CARA 1807	Floor, Wall and Ceiling Coverings	Jan 9 - Feb 10, 2017	Akerley Campus
CARA 1809	Common Stairs	Feb 21 - Mar 24, 2017	Akerley Campus
CARA 1812	Advanced Stairs	Jan 16 - Feb 17, 2017	Burridge Campus
CARA 1811	Advanced Roofs	Jan 9 - Feb 10, 2017	Marconi Campus
CARA 1810	Cabinets and Millwork	Mar 13 - April 14, 2017	Wagmatcook

  

Level 4		5 Week Session(s)	
CARA 1814	Energy Efficient Construction	Nov 14 - Dec 16, 2016	Akerley Campus
CARA 1817	Renovation	Feb 21 - Mar 24, 2017	Akerley Campus
CARA 1813	Heavy / Commercial Construction	Feb 27 - Mar 31, 2017	Burridge Campus
CARA 1815	Commercial Blueprint Reading & Estimating	Apr 24 - May 26, 2017	Lunenburg Campus
CARA 1825	Program Review	Feb 21 - Mar 24, 2017	Marconi Campus

## Cook

### Online Courses

Various Cook courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)



**Cook continued...****Level Exam Required for Level 1****Level 1 (Harmonized)****5 weeks [4 weeks in-class + 1 week online]**

Blended delivery (online & in-class): Full-time and part-time offerings. To register, complete the following steps:

1. Contact your Training Officer to register for the [pre-requisite online course COOA-1820](#)
2. Register for Level-1 in-class training with the Nova Scotia Apprenticeship Agency using the Technical Training Enrolment Form [[nsapprenticeship.ca/TTEF-submission](#)]

Nov 7/16 - Jan 24, 2017     Akerley Campus  
**Online course starts on Sept 26, 2016**

(part-time in-class, Mondays & Tuesdays, 1:30 - 7:30 pm)

Oct 3 - Oct 28, 2016     Marconi Campus  
**Online course starts on Aug 22, 2016**

(full-time in-class, 1:30 - 7:30 pm)

**NOTES:** The pre-requisite online theory course is delivered in a collaborative online format, and must be completed successfully prior to attending the in-class session

Apprentices must pass the Level Exam at the end of training in order to progress to the next level.

**Level Exam Required for Level 2****Level 2 (Harmonized)****5 weeks [4 weeks in-class + 1 week online]**

Blended delivery (online & in-class): Full-time and part-time offerings. To register, complete the following steps:

1. Contact your Training Officer to register for the [pre-requisite online course COOA-1822](#)
2. Register for Level-2 in-class training with the Nova Scotia Apprenticeship Agency using the Technical Training Enrolment Form [[nsapprenticeship.ca/TTEF-submission](#)]

Nov 9/16 - Jan 26, 2017     Akerley Campus  
**Online course starts on Sep 26, 2016**

(part-time in-class, Wed & Thursdays, 1:30 - 7:30 pm)

**NOTES:** The pre-requisite online theory course is delivered in a collaborative online format, and must be completed successfully prior to attending the in-class session

Apprentices must pass the Level Exam at the end of training in order to progress to the next level.

**Level 3****5 weeks [4 weeks in-class + 1 week online]**

Blended delivery (online & in-class): Full-time and part-time offerings. To register, complete the following steps:

1. Contact your Training Officer to register for the [pre-requisite online course COOA-1821](#)
2. Register for Level-3 Blended In-class training with the Nova Scotia Apprenticeship Agency using the Technical Training Enrolment Form [[nsapprenticeship.ca/TTEF-submission](#)]

Feb 6 - Mar 3, 2017     Akerley Campus  
**Online course starts on Dec 26, 2016**

(full-time in-class, 1:30 - 7:30 pm)

**NOTES:** The pre-requisite online theory course is delivered in a collaborative online format, and must be completed successfully prior to attending the in-class session



## Electrician, Construction and Industrial

### Online Courses

Various Construction/Industrial Electrician courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

Level 1		7 Week Session(s)	
ELEA 0801	Safety Practices / Building Codes	Sep 12 - Oct 28, 2016	Burridge Campus
ELEA 0802	Generic Blueprint	Sep 6 – Oct 21, 2016	Marconi Campus
ELEA 1804	Tools & Equipment	Oct 31 – Dec 16, 2016	Waterfront Campus
ELEA 1805	DC Theory / Series & Parallel Circuits	Mar 13 - Apr 28, 2017	Waterfront Campus
ELEA 1806	Conductors, Cables & Voltage Drop		
ELEA 1824	Fundamental Wiring		
ELEA 1807	Raceway Installation		
Level 2		7 Week Session(s)	
ELEA 1834	Single-Phase Theory 1	Nov 7 - Dec 23, 2016	Burridge Campus
ELEA 1831	Single-Phase Theory 2	Oct 31 - Dec 16, 2016	Kingstec Campus
ELEA 1809	Three-Phase Theory / Distribution Systems Conditioning	Oct 31 - Dec 16, 2016	Marconi Campus
ELEA 1810	Distribution Equip/ Protective Devices	Oct 31 - Dec 16, 2016	Marconi Campus
ELEA 1825	Lighting & Controls	Jan 9 - Feb 24, 2017	Marconi Campus
ELEA 1808	Heating Systems	Oct 31 - Dec 16, 2016	Pictou Campus
ELEA 1832	Single-Phase Service Entrance	Sep 6 - Oct 21, 2016	Waterfront Campus
		Sep 6 - Oct 21, 2016	Waterfront Campus
		Oct 31 - Dec 16, 2016	Waterfront Campus
		Oct 31 - Dec 16, 2016	Waterfront Campus
		Jan 9 - Feb 24, 2017	Waterfront Campus
		Jan 9 - Feb 24, 2017	Waterfront Campus
		Mar 13 - Apr 28, 2017	Waterfront Campus

## Electrician, Construction and Industrial *continued...*

Level 3		7 Week Session(s)	
ELEA 1812	Transformers	Jan 9 - Feb 24, 2017	Burridge Campus
ELEA 1814	DC Machines & Controls	Jan 9 - Feb 24, 2017	Kingstec Campus
ELEA 1816	AC Generators / Three-Phase Motors	Jan 9 - Feb 24, 2017	Marconi Campus
ELEA 1815	Single-Phase Motors	Mar 6 - Apr 21, 2017	Marconi Campus
ELEA 1817	Motor Starters / Control Devices (2 week course)	Jan 9 - Feb 24, 2017	Pictou Campus
ELEA 1833	Three-Phase Service Entrance	Mar 6 - Apr 21, 2017	Truro Campus
		Sep 6 - Oct 21, 2016	Waterfront Campus
		Sep 6 - Oct 21, 2016	Waterfront Campus
		Oct 31 - Dec 16, 2016	Waterfront Campus
		Oct 31 - Dec 16, 2016	Waterfront Campus
		Jan 9 - Feb 24, 2017	Waterfront Campus
		Jan 9 - Feb 24, 2017	Waterfront Campus
Level 4		7 Week Session(s)	
ELEA-1813	High-voltage Systems	Mar 6 - Apr 21, 2017	Burridge Campus
ELEA-1822	Troubleshooting / Electrical Blueprint	Mar 6 - Apr 21, 2017	Kingstec Campus
ELEA-1838	Power Supply and Rectifiers / Drives	Mar 6 - Apr 21, 2017	Marconi Campus
ELEA 1823	Emergency Stand-by/ Comm Systems	May 1 - June 16, 2017	Marconi Campus
ELEA 1818	Programmable Logic Controllers	Mar 6 - Apr 21, 2017	Pictou Campus
ELEA 1821	Signaling Systems	May 1 - June 16, 2017	Truro Campus
ELEA 1835	Program Review	Sep 6 - Oct 21, 2016	Waterfront Campus
		Jan 9 - Feb 24, 2017	Waterfront Campus
		Jan 9 - Feb 24, 2017	Waterfront Campus
		Mar 13 - Apr 28, 2017	Waterfront Campus
		May 8 - June 23, 2017	Waterfront Campus

## Electrician, Construction and Industrial *continued...*

Level 5 – Industrial Electrician		6 Week Session(s)	
IELA 1826	Hydraulic / Pneumatic Systems	Sep 6 - Oct 14, 2016	Waterfront Campus
IELA 1828	Process Control / Distr. Control Sys	May 8 - Jun 16, 2017	Waterfront Campus
IELA 1841	Analog and Digital Devices		
IELA 1830	Boiler Control & Air Conditioning		
IELA 1840	Vibr Analysis / Enviro Control Systems		
IELA 1836	Program Review		

## Gas Fitter

### Online Courses

Various Gas Fitter courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

## Heavy Duty Equipment Technician

Level 1		7 Week Session(s)	
IMPA 0801	Fundamental Shop Skills	Sep 6 - Oct 21, 2016	Akerley Campus
IMPA 1803	Basic Electrical & Electronic Principles		
IMPA 1804	Hydraulics I		
IMPA 1805	Lubricants, Lubrication & Cooling		
IMPA 1806	Braking Systems		
IMPA 1807	Engine Principles		
MPOA 1800	Basic Welding		

  

Level 2		7 Week Session(s)	
IMPA 1808	Drive Lines	Sep 6 - Oct 21, 2016	Akerley Campus
IMPA 1809	Ignition Systems	Oct 31 - Dec 16, 2016	Akerley Campus
IMPA 1810	Fuel Systems I		
IMPA 1811	Intake & Exhaust Systems		
IMPA 1812	Clutches & Manual Transmissions		
IMPA 1813	Starting & Charging Systems		
IMPA 1820	HVAC Systems		

## Heavy Duty Equipment Technician *continued...*

Level 3		6 Week Session(s)	
HDEA 1805	Pneumatics	Nov 7 - Dec 16, 2016	Akerley Campus
HDEA 1804	Torque Converters & Powershift Transmissions		
HDEA 1801	Frame & Suspension Systems		
HDEA 1806	Hydraulics 2		
HDEA 1821	Steering Sys and Front End Alignment		
HDEA 1822	Cabs, Equipment and Accessories		
Level 4		5 Week Session(s)	
HDEA-1815	Preventative Maint & Inspection	Jan 9 – Feb 10, 2017	Akerley Campus
HDEA-1816	Fuel Systems 2		
HDEA-1817	Electronic Control & Monitoring Sys		
HDEA-1818	Engine Diagnosis		
HDEA-1819	Program Review		

## Industrial Mechanic (Millwright)

Level 1		7 Week Session(s)	
IMMA 1829	Safety and Trade Practice	May 1 - June 16, 2017	IT Campus
IMMA 1802	Power Tools		
IMMA 0803	Blueprint Reading and Sketching		
IMMA 1805	Rigging		
IMMA 0820	Metallurgy		
IMMA 1806	Machine Shop Fundamentals		
IMMA 1821	Oxy-Fuel/ Electric Arc Welding		

## Industrial Mechanic Millwright *continued...*

Level 2		7 Week Session(s)	
IMMA 1807	Static & Dynamic Seals	Sep 6 - Oct 21, 2016	IT Campus
IMMA 1813	Bearings & Lubrication		
IMMA 1809	Couplings & Clutches		
IMMA 1810	Gear Drive Units		
IMMA 1812	Conveyors (Material Handling Sys)		
IMMA 1819	Sheaves & Sprockets		
IMMA 1804	Equip & Mech Installation Blueprint		
Level 3		7 Week Session(s)	
IMMA 1808	Pumps (Positive & Non-positive)	Oct 31 - Dec 16, 2016	IT Campus
IMMA 1814	Fluid Power 1 (Bas Hyd, Schem, Comp)		
IMMA 1815	Fluid Power 2 (Controls, Circ & Test)		
IMMA 1817	Pneumatics		
IMMA 1818	Compressors		
IMMA 1831	Internal Combustion Engines		
IMMA 1833	Basic Electricity		
Level 4		7 Week Session(s)	
IMMA 1822	Fans and Boilers	Jan 9 - Feb 24, 2017	IT Campus
IMMA 1824	Steam & Gas Turbines	Mar 6 - Apr 21, 2017	IT Campus
IMMA 1811	Alignment 1 (Basic)		
IMMA 1828	Align 2 (Reverse & Cross Dial, Laser)		
IMMA 1825	Dynamic Bal/Vib Anal / Maintenance		
IMMA 1826	Machin Installation & Optical Align		
IMMA 1830	Program Review		

**Instrumentation and Control Technician**

Level Exam Required for each Level.

Level 3	7 Weeks	Sep 19 - Nov 4, 2016	Marconi Campus
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Level 4	7 Weeks	May 1 – June 16, 2017	Marconi Campus
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**Insulator (Heat and Frost)**

Level Exam Required for each Level.

Level 1	6 Weeks	Jan 9 – Feb 17, 2017	Local 116
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Level 2	6 Weeks	June 12 – July 21, 2017	Local 116
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IP Refresher	5 Weeks (part-time)	Feb 14 – Mar 18, 2017	Local 116
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**Ironworker (Reinforcing)**

Level 1	8 Weeks	Mar 6 - Apr 28, 2017	Pictou Campus
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Old Level 2	7 Week Session(s)
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IRWA 1828	Reinforced Concrete 1 (Preparation)	Jan 9 - Feb 24, 2017	Pictou Campus
IRWA 1833	Blueprint (Rebar)		
IRWA 1845	Reinforced Concrete 2 (Fabrication)		
IRWA 1846	Reinforced Concrete 3 (Installation)		
IRWA 1847	Post-Tensioning (Unbonded)		
IRWA 1848	Post-Tensioning (Bonded)		
IRWA 1830	Program Review		

**Ironworker (Structural | Ornamental)**

Level 1	8 Weeks	Oct 24 – Dec 16, 2016	Pictou Campus
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## Ironworker (Structural | Ornamental) *continued...*

Old Level 2		5 Week Session(s)
IRWA 1825	Welding 2	Sept 12 - Oct 14, 2016   Pictou Campus
IRWA 1835	Structural Steel Preparation	
IRWA 1834	Blueprint (Structural/Ornamental)	
IRWA 1826	Structural Steel Erection and Dismantling ( <b>2 week course</b> )	
Old Level 3		8 Week Session(s)
IRWA 1840	Welding 3	May 8 – June 30, 2017   Pictou Campus
IRWA 1813	Tower Cranes	
IRWA 1814	Pre-Cast Concrete	
IRWA 1841	Electric Overhead Travelling Cranes	
IRWA 1812	Ornamental & Miscellaneous Ironwork	
IRWA 1842	Pre-engineered Structures	
IRWA 1843	Machinery and Equipment	
IRWA 1830	Program Review	

## Machinist

### Online Courses

Various Machinist courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

**Machinist *continued*...**

Level 3		6 Week Session(s)
*MCHA 1829	*Material Selection & Heat Treat / Carbide Tooling	*Course MCHA 1829, Material Selection & Heat Treatment / Carbide Tooling, is delivered during the first week of the training session. This week is <u>not required for some individuals who have completed the old Group C training.</u>  Mar 6 – Apr 14, 2017    IT Campus
MCHA 1816	Planning, Measuring and Precision Layout	
MCHA 1815	Spur Gears	
MCHA 1822	Bevel, Helical and Worm Gears	
MCHA 1843	Grinders and Abrasives	
MCHA 1838	Precision Measurement / Jigs and Fixtures	

Level 4		5 Week Session(s)
MCHA 1839	Quality Inspection / Reconditioning	May 8 – June 9, 2017    Waterfront Campus
MCHA-1821	CNC Programming	
MCHA-1846	CNC Operation ( <b>2 week course</b> )	
MCHA 1830	Program Review	

**Metal Fabricator (Fitter)    Level Exam Required for Level 1**

Level 1 (Harmonized)	9 Weeks	Jan 9 - Mar 10, 2017	Akerley Campus
Level 1 (Harmonized)	9 Weeks	Apr 24 - Jun 23, 2017	Akerley Campus

**NOTES:** Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.

Due to the national trade harmonization project, Metal Fabricator will be going from four levels of training to three (harmonized) levels. This transition will be phased in, level-by-level, over a 3-year period. The last year that the "old" level 4 will be offered is 2019.



## Metal Fabricator (Fitter) *continued...*

Level 2		7 Week Session(s)	
WDFA 1837	Drawings 2	Sep 12 – Oct 28, 2016	Akerley Campus
WDFA 1838	Shop Equipment		
WDFA 1839	Layout 2 <b>(2 week course)</b>		
WDFA 1840	Fabrication <b>(2 week course)</b>		
WDFA 1841	Cutting Processes		
Level 3		5 Week Session(s)	
WDFA 1842	Drawings 3	Nov 14 – Dec 16, 2016	Akerley Campus
WDFA 1843	Fitting and Assembly 1 <b>(2 week course)</b>		
WDFA 1846	Metallurgy		
WDFA 1844	Layout 3		
Level 4		4 Week Session(s)	
MTFA 1848	Fabrication 2	Mar 20 – Apr 14, 2017	Akerley Campus
MTFA 1847	Fitting & Assembly 2		
MTFA 1849	Quality Assurance & Work Planning		
MTFA 1850	Program Review		

## Motor Vehicle Body Repairer (Metal & Paint)

Level 1		6 Week Session(s)	
MVBA 0801	Shop and Safety	Sep 12 - Oct 21, 2016	Akerley Campus
MVBA 1803	Vehicle Construction		
MVBA 1828	Metal Working		
MVBA 1805	Auto Body Preparation		
MVBA 1835	Undercoats/Refinishing I		
MVBA 1836	Non-Metal Repair / Moveable Glass		
Level 2		5 Week Session(s)	
MVBA-1837	Auto Body Welding (Steel) (2 wks)	Feb 27 - Mar 31, 2017	Akerley Campus
MVBA-1818	Corrosion Protection / Elec Fundamen	For clients who took New Level 1	
MVBA-1838	Metal Working II (Aluminum)	Mar 13 - Apr 14, 2017	Akerley Campus
MVBA-1839	Non-structural Components	For clients who took Old Level 1	
MVBA-1835	Undercoats/Refinishing I		
MVBA-1836	Non-Metal Repair / Moveable Glass		

## Motor Vehicle Body Repairer (Metal & Paint) *continued...*

Old Level 3		4 Week Session(s)	
MVBA-1821	Structural & Non-Struc Components	Apr 24 - May 19, 2017	Akerley Campus
MVBA-1822	Mechanical Sys & Damage Analysis		
MVBA-1823	Restraints and Electrical Repairs		
MVBA-1824	Colour Application		
Old Level 4		4 Week Session(s)	
MVBA-1825	Estimating and Quality Control	May 29 - Jun 23, 2017	Akerley Campus
MVBA-1826	Body and Frame Repair		
MVBA-1827	Steering, Suspension and Brakes		
MVBA-1830	Program Review		

## Oil Heat System Technician

### Online Courses

Various Oil Heat System Technician courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

Group A		6 Week Session(s)	
OBMA o801	Fundamental Skills	Mar 20 - April 28, 2017	Akerley Campus
OBMA o802	Tools & Equipment / Soldering, Flaring & Threading		
OBMA 1815	Fuel Storage		
OBMA 1816	Fuel Delivery Systems		
OBMA 1817	Planned Maintenance / Trade Practice		
OBMA 1804	Combustion & Air Handling		

## Oil Heat System Technician *continued...*

Group B		5 Week Session(s)	
OBMA 1805	Electricity 1 (Principles of Electricity)	May 1 - June 2, 2017	Akerley Campus
OBMA 1806	Electricity 2 (Ignition Systems, Electrical Devices & Switches)		
OBMA 1818	Elec 3 (Electron & Solid State)/Motors		
OBMA 1807	Controls & Wiring		
OBMA 1809	Combustion/Chim, Vent, Draft Ctrl		
Group C		6 Week Session(s)	
OBMA 1810	Hydronic Heating Systems	Jun 12 -July 21, 2017	Akerley Campus
OBMA 1811	Warm Air Furnaces / Steam Systems		
OBMA 1812	Domestic Hot Water Heaters / Zoning		
OBMA 1819	House as a System / Retrofit		
OBMA 1808	Specialized Sys/ Service & Troubleshoot		
OBMA 1820	Program Review		

## Plumber

### Online Courses

Various Plumber courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

Group A		7 Week Session(s)	
PLGA 0802	Safety / Tools & Equipment	Sep 12 – Oct 28, 2016	IT Campus
PLGA 0801	Blueprint Reading & Interpretation 1 (Basic / Residential)	Jan 9 – Feb 24, 2017	IT Campus
PLGA 1810	Pipe, Fittings & Piping Assembly 1A (Ferrous)		
PLGA 1811	Pipe, Fittings & Piping Assembly 1B (Non-Ferrous)		
PLGA 1820	Drainage & Venting Systems 1A (Residential)		
PLGA 1821	Drainage & Venting Systems 1B (Residential)		
PLGA 1822	Water Supply 1 (Water Service / Rough-In)		

**Plumber *continued...***

Group B		6 Week Session(s)	
PLGA1804	Blueprint Reading & Interpretation 2 (Advanced Residential / Commercial)	Nov 7 – Dec 16, 2016	IT Campus
PLGA1835	Basic Electricity	Mar 6 – Apr 13, 2017	IT Campus
PLGA1808	Hydronic Heating 1 (Basic)	May 1 – Jun 9, 2017	IT Campus
PLGA1836	Drainage & Venting Systems 2A (Storm Sys) / Soldering & Brazing	Nov 7 - Dec 16, 2016	Marconi Campus
PLGA1837	Specialty Piping Applications / Pipe, Fittings & Piping Assembly 2		
PLGA1825	Drainage & Venting Systems 2B (Commercial Drainage)		
Group C		5 Week Session(s)	
PLGA 1823	Water Supply 2 (Hot Water Storage Tanks & Heaters)	Sep 12 – Oct 14, 2016	IT Campus
PLGA 1834	Drainage & Venting Systems 2C (Commercial Venting)	Jan 9 – Feb 10, 2017	IT Campus
PLGA 1807	Blueprint Reading & Interpretation 3 (Commercial / Industrial)	Jan 9 – Feb 10, 2017	Marconi Campus
PLGA 1809	Hydronic Heating 2 (Advanced)	May 8 - Jun 9, 2017	Shelburne Campus
PLGA 1843	Gas Piping 1 (Low Pressure)		
Group D		7 Week Session(s)	
PLGA 1838	Water Supply 3 (Water Softeners & Conditioning)	Oct 31 – Dec 16, 2016	IT Campus
PLGA 1842	Cross Connection Control	Feb 21 - Apr 7, 2017	IT Campus
PLGA 1839	Rural Water Supply / Rural Waste	Apr 24 - Jun 9, 2017	IT Campus
PLGA 1840	Specialty Plumbing Applications	Feb 21 - Apr 7, 2017	Marconi Campus
PLGA 1828	Drainage & Venting Systems 3 (Commercial / Industrial)		
PLGA 1841	Gas Piping 2 (High Pressure)		
PLGA 1844	Program Review		

## Power Engineer

### Online Courses

Various Power Engineer courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

2-A1		3 Week Session(s)	
PESC 1801	Industrial Legislation	Sep 6 – Sep 23, 2016	Akerley Campus
PESC 1802	Applied Mechanics		
2-A2		3 Week Session(s)	
PESC 1803	Thermodynamics	Oct 10 – Oct 28, 2016	Akerley Campus
PESC 1804	Metallurgy		
2-A3		3 Week Session(s)	
PESC 1805	Boilers	Nov 14 – Dec 2, 2016	Akerley Campus
PESC 1806	Pumps and Water Treatment		
2-B1		3 Week Session(s)	
PESC 1807	Heat Engines and Prime Movers	Apr 3 – Apr 21, 2017	Akerley Campus
PESC 1808	Lubrication, Piping and Mechanical Drawing		
2-B2		3 Week Session(s)	
PESC 1809	Plant Systems and Instrumentation	May 1 – May 19, 2017	Akerley Campus
PESC 1810	Fuels and Combustion and Environment Protection		
2-B3		3 Week Session(s)	
PESC 1811	Electro-technology	May 29 – Jun 16, 2017	Akerley Campus
PESC 1812	Compression and Refrigeration		

## Powerline Technician

Level 2		5 Week Session(s)	
PLTA-1807	Advanced AC Theory 1	Jan 9 - Feb 10, 2017	IT Campus
PLTA-1808	Advanced AC Theory 2		
PLTA-1809	Sys Operations & Single-Phase Meter		
PLTA-1810	Street Lighting Circuits		
PLTA-1811	Live Line Work		

## Powerline Technician *continued...*

Level 3		5 Week Session(s)	
PLTA 1812	Transformers	Nov 14 - Dec 16, 2016	IT Campus
PLTA 1813	Underground Sys & Environ Protocol	Feb 21 - Mar 24, 2017	IT Campus
PLTA 1814	Polyphase Generation	Apr 10 - May 12, 2017	IT Campus
PLTA 1815	Three-Phase Systems		
PLTA 1816	Transformer Banking		

## Refrigeration and A/C Mechanic

Level 1		6 Week Session(s)	
RACA 1831	Safety / Tools and Equipment	Sep 12 – Oct 21, 2016	Akerley Campus
RACA 1832	Refrigeration Fundamentals		
RACA 1833	Air Conditioners, Refrigeration and Piping ( <b>2 week course</b> )		
RACA 1834	Compressors 1 / Ancillary Devices		
RACA 1835	Electrical Fundamentals / Motors 1		

Level 2		6 Week Session(s)	
RACA 1836	Evaporation	Oct 31 – Dec 9, 2016	Akerley Campus
RACA 1837	Metering Devices / Flow Controls	Feb 13 – Mar 24, 2017	Akerley Campus
RACA 1838	Compressors 2 / Condensers	Sep 12 - Oct 21, 2016	Waterfront Campus
RACA 1839	AC Installation		
RACA 1840	Control Circuits ( <b>2 week course</b> )		

Level 3		6 Week Session(s)	
RACA 1841	Refrigeration System Design	Apr 17 - May 26, 2017	Akerley Campus
RACA 1842	Compressor Modulation	Oct 31 - Dec 9, 2016	Waterfront Campus
RACA 1843	Commercial Refrigeration	Feb 27 - Apr 7, 2017	Waterfront Campus
RACA 1844	Air Conditioning Systems		
RACA 1845	Heat Pumps		
RACA 1846	Troubleshooting Control Systems		

## Refrigeration and A/C mechanic *continued...*

Level 4		6 Week Session(s)	
RACA 1847	AC System Design	Jan 9 – Feb 17, 2017	Waterfront Campus
RACA 1848	Duct Systems	Apr 17 - May 26, 2017	Waterfront Campus
RACA 1849	Heating Systems		
RACA 1852	Industrial Systems		
RACA 1851	Troubleshooting / Job Coordination		
RACA 1827	Program Review		

## Refrigeration Plant Operator

### Online Courses

Various courses are available online at NSCC's Virtual Campus. For details, visit the Virtual Campus website: [www.apprenticeship.nsc.ca](http://www.apprenticeship.nsc.ca)

2nd Class	1 Week Refresher	June 26 - June 30, 2017	Akerley Campus
<b>NOTE:</b> Apprentices must complete the required RPO online courses (at the link noted above) before they can register for the "1 Week Refresher".			

## Roofer Level Exam Required for Level 3

Level 3	6 Weeks	Feb 6 - Mar 17, 2017	Akerley Campus
<b>NOTE :</b> Apprentices must pass the Level Exam at the end of Level 3 training in order to progress.			

## Sheet Metal Worker Level Exam Required for each Level

Level 1		8 Week Session(s)	
SMWA 1824	Safety/Elevating Devices	Sep 6 – Oct 28, 2016	Akerley Campus
SMWA 1850	Tools and Equipment	<b>NOTE :</b> Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.	
SMWA 1854	Trade Practice		
SMWA 1827	Welding 1		
SMWA 1828	Metallurgy and Materials		
SMWA 1829	Fabrication Fundamentals		
SMWA 1830	Basic Layout		
SMWA 1831	Pattern Development 1 and Layout		

## Sheet Metal Worker *continued...*

Level 2		6 Week Session(s)	
SMWA 1832	Blueprint 1	Jan 9 – Feb 17, 2017	Akerley Campus
SMWA 1833	Pattern Development 2 (Parallel Line)		
SMWA 1834	Pattern Development 2 (Radial Line)		
SMWA 1835	Pattern Development 2 (Triangulation)		
SMWA 1836	Welding 2		
SMWA 1837	Air Handling Systems		
		<b>NOTE :</b> Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.	

Level 3		6 Week Session(s)	
SMWA 1838	Blueprint 2	Nov 7 – Dec 16, 2016	Akerley Campus
SMWA 1839	Pattern Development 3 (Parallel Line)		
SMWA 1840	Pattern Development 3 (Radial Line)		
SMWA 1841	Pattern Development 3 (Triangulation)		
SMWA 1842	Duct System Design		
SMWA 1843	Breeching and Venting / Welding 3		
		<b>NOTE :</b> Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.	

Level 4		6 Week Session(s)	
SMWA-1844	Material Handling Systems	Feb 27 – Apr 7, 2017	Akerley Campus
SMWA-1845	System Maintenance		
SMWA-1846	Metal Roofing & Architectural Metal		
SMWA-1847	Welding 4		
SMWA-1855	Specialty Products/ Job Planning and Documentation		
SMWA-1853	Program Review		
		<b>NOTE :</b> Apprentices must pass the Level Exam at the end of training in order to progress.	



## Sprinkler System Installer Level Exam Required for each Level

Level 1	8 Weeks	Oct 3-Nov 25, 2016	UA Local 56
Level 2	8 Weeks	Jan 9-Mar 3, 2017	UA Local 56
Level 3	8 Weeks	Mar 20- May 12, 2017	UA Local 56

**NOTE :** Apprentices must pass the Level Exam at the end of training in order to progress.

## Steamfitter/Pipefitter Level Exam Required for Each Level

Level 1		6 Week Session(s)	
STMA 0802	Safety, Tools & Equipment	Sep 12 – Oct 21, 2016	IT Campus
STMA-1863	Blueprint Reading & Interpret 1 (Basic Commercial)	Sep 19 - Oct 28, 2016	Marconi Campus
STMA 1810	Pipe, Fittings & Piping Assembly 1A (Ferrous) (2 week course)	Sep 19 - Oct 28, 2016	Pictou Campus
STMA 1811	Pipe, Fittings & Piping Assembly 1B (Non-Ferrous)	<b>NOTE :</b> Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.	
STMA 1806	Pipe, Fittings & Piping Assembly 2		
Level 2		6 Week Session(s)	
STMA 1864	Blueprint Reading & Interpret 2 (AdvancedCommercial)	Sep 12 – Oct 21, 2016	IT Campus
STMA 1808	Hydronic Heating 1 (Residential)	Sep 19 - Oct 28, 2016	Marconi Campus
STMA 1849	Introduction to Electricity	Nov 7 - Dec 16, 2016	Marconi Campus
STMA 1858	Blueprint Reading & Interpretation 3 (Industrial)	Nov 7 - Dec 16, 2016	Pictou Campus
STMA 1805	Fuel / Electric Welding & Cutting	<b>NOTE :</b> Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.	
STMA 1859	Hoisting, Lifting and Rigg		

## Steamfitter/Pipefitter continued...

Level 3		6 Week Session(s)	
STMA 1809	Hydronic Heating 2 (Commercial)	Oct 31 – Dec 9, 2016	IT Campus
STMA 1844	Low Pressure Steam	Mar 6 - Apr 14, 2017	IT Campus
STMA 1851	Pipe Template Development	Jan 9 - Feb 17, 2017	Marconi Campus
STMA 1852	Pipe Layout & Fabrication	Jan 9 - Feb 17, 2017	Pictou Campus
STMA 1853	Gas Piping 1		
STMA 1860	Specialty Piping Applications & Sys		

**NOTE :** Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.

Level 4		7 Week Session(s)	
STMA 1854	Gas Piping 2	Jan 9 – Feb 24, 2017	IT Campus
STMA 1855	Refrigeration / Instrumentation	Apr 24 – Jun 9, 2017	IT Campus
STMA 1862	Pumps / Compressors & Hydraulic Systems ( <b>2 week course</b> )	Feb 27 - Apr 14, 2017	Marconi Campus
STMA 1856	High Pressure Steam	Apr 24 - Jun 9, 2017	Marconi Campus
STMA 1861	Job Planning, Commissioning and Quality Control	Feb 27 - Apr 14, 2017	Pictou Campus
STMA 1857	Program Review		

**NOTE :** Apprentices must pass the Level Exam at the end of training in order to progress.

## Truck and Transport Mechanic

Level 1		7 Week Session(s)	
IMPA 0801	Fundamental Shop Skills	Sep 6 - Oct 21, 2016	Akerley Campus
IMPA 1803	Basic Electrical & Electronic Principles		
IMPA 1804	Hydraulics I		
IMPA 1805	Lubricants, Lubrication & Cooling		
IMPA 1806	Braking Systems		
IMPA 1807	Engine Principles		
MPOA 1800	Basic Welding		

## Truck and Transport Mechanic continued...

Level 2		7 Week Session(s)	
IMPA 1808	Drive Lines	Sep 6 - Oct 21, 2016	Akerley Campus
IMPA 1809	Ignition Systems	Oct 31 - Dec 16, 2016	Akerley Campus
IMPA 1810	Fuel Systems I		
IMPA 1811	Intake & Exhaust Systems		
IMPA 1812	Clutches & Manual Transmissions		
IMPA 1813	Starting & Charging Systems		
IMPA 1820	HVAC Systems		
Level 3		6 Week Session(s)	
TTMA-1801	Frame & Suspension Systems	Jan 9 – Feb 17, 2017	Akerley Campus
TTMA 1802	Wheels, Steering & Alignment	Feb 27 - Apr 7, 2017	Akerley Campus
TTMA 1803	Gasoline Fuel Injection Systems	Sep 19 – Oct 28, 2016	Marconi Campus
TTMA-1807	Automatic Transmissions and Torque Converters		
TTMA-1806	Dual Air and ABS Brake Systems		
TTMA-1808	Cab Components		
Level 4		5 Week Session(s)	
TTMA 1809	Vehicle Inspection	Oct 31 – Dec 2, 2016	Akerley Campus
TTMA 1816	Fuel Systems 2	Jan 9 – Feb 10, 2017	Akerley Campus
TTMA 1817	Electronic Control & Monitoring Systems	Mar 6 – Apr 7, 2017	Akerley Campus
TTMA 1818	Engine Diagnosis		
TTMA 1819	Program Review		

## Welder Level Exam Required for Level 1

Level 1 (Harmonized)	9 Weeks	Jan 9 - Mar 10, 2017	Akerley Campus
Level 1 (Harmonized)	9 Weeks	Apr 24 - Jun 23, 2017	Akerley Campus

**NOTE :** Apprentices must pass the Level Exam at the end of training in order to progress to the next level of training.

Level 2		6 Week Session(s)	
WLDA 1837	Cutting and Gouging	Sep 6 - Oct 14, 2016	Akerley Campus
WLDA 1838	Quality Control / Weld Faults		
WLDA 1839	SMAW (Fillet and Groove Weld)		
WLDA 1840	GMAW (Fillet and Groove Weld)		
WLDA 1841	GTAW (Fillet and Groove Weld) (2 week course)		
Level 3		7 Week Session(s)	
WLDA 1842	Metallurgy	Oct 31 – Dec 16, 2016	Akerley Campus
WLDA 1843	SMAW (Pipe and Tubing)	Jan 9 – Feb 24, 2017	Akerley Campus
WLDA 1844	Jigs and Fixtures	Mar 6 – Apr 21, 2017	Akerley Campus
WLDA 1845	GMAW / FCAW (Pipe and Tubing)	May 1 - June 16, 2017	Akerley Campus
WLDA 1846	GTAW (Pipe, Tubing and Alloys)	Oct 31 - May 5, 2017	Burridge Campus
WLDA 1847	Special Processes	(part-time, evenings/wkends)	
WLDA 1824	Program Review		

## exam information

### Frequently Asked Questions

For a list of frequently asked questions, including eligibility requirements, how to apply, etc., please visit the Exam FAQ page on the Apprenticeship Training website:

[nsapprenticeship.ca/apprentices/examinations/apply-write-exam](http://nsapprenticeship.ca/apprentices/examinations/apply-write-exam)



### Exam Preparation Videos + Resources

For videos on how to prepare to write your Red Seal exam and links to free practice exams, study materials and resources, exam breakdowns (counseling sheets) and National Occupational Analyses, please visit the Exam Preparation page on our website:

[nsapprenticeship.ca/apprentices/examinations/prepare-your-exam](http://nsapprenticeship.ca/apprentices/examinations/prepare-your-exam)

### Exam Schedule

Please click [here](#), or visit our website:

[nsapprenticeship.ca/sites/default/files/docs/pubs/Exam\\_Schedule.pdf](http://nsapprenticeship.ca/sites/default/files/docs/pubs/Exam_Schedule.pdf)

### Exam Locations

Please click [here](#) or see page 3.

### Contact Us

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