

# APPRENTICESHIP AND OCCUPATIONAL CERTIFICATION

## Board Order

*This is an order of the New Brunswick Apprenticeship and Occupational Certification Board made pursuant to section 13 of the Apprenticeship and Occupational Certification Act.*

**Title:** Designated Occupations and Hourly Requirements

**Category:** General - Administration

**Occupation:** All

**Board Order Number:** GA001.8

**Board Order Date:** January 17, 2013

**Effective Date:** May 15, 2018

### Diploma of Apprenticeship and/or Certificate of Qualification

The Board prescribes the following occupations as designated compulsory and voluntary occupations and the hourly requirements to be met to obtain a Diploma of Apprenticeship and/or Certificate of Qualification. Designated compulsory occupations, as per Section 56(1) of the *AOC Act*, are prescribed by regulation by the Lieutenant Governor in Council.

Occupation	Hours (App)	Hours (CQ)	Interprovincial Red Seal
Agricultural Equipment Technician	7,200	10,800	✓
Appliance Service Technician	5,400	8,100	✓
Automotive Painter	3,600	5,400	✓
Automotive Service Technician*	7,200	10,800	✓
Automotive Service Technician (Steering, Suspension & Brakes)*	5,400	8,100	✓
Baker	n/a	7,200	✓
Blaster	n/a	<sup>1</sup>	---
Boilermaker*	5,400	8,100	✓
Bricklayer*	5,400	8,100	✓
Cabinetmaker	7,200	10,800	✓
Carpenter	7,200	10,800	✓
Commercial Trailer Technician	5,400	8,100	✓
Computerized Numerical Control Machinist	7,200	10,800	---
Concrete Finisher	n/a	5,400	✓
Construction Craft Worker	3,600	5,400	✓
Construction Electrician*	7,200	10,800	✓
Cook	5,400	8,100	✓
Distribution Construction Lineman	5,400	8,100	---
Distribution System Operator	n/a	5,400	---
Electric Motor System Technician	7,200	10,800	✓
Electronics Technician (Consumer Products) <i>Rescinded October 14, 2015</i>	n/a	9,000	---

Occupation	Hours (App)	Hours (CQ)	Interprovincial Red Seal
Engineering Assistant	n/a	5,400	---
Floorcovering Installer	n/a	5,400	✓
Glazier	n/a	7,200	✓
Hairstylist	n/a	<sup>1</sup>	✓
Heat Treatment Technician	n/a	9,000 <sup>1</sup>	---
Heavy Equipment Operator <i>Rescinded</i>	7,200	10,800	---
Heavy Equipment Operator (Excavator)	n/a	3,600	✓
Heavy Equipment Operator ( Tractor Loader Backhoe )	n/a	3,600	✓
Heavy Equipment Operator ( Dozer )	n/a	3,600	✓
Heavy Equipment Operator ( Grader )	n/a	3,600	---
Heavy Equipment Operator ( Loader )	n/a	1,800	---
Heavy Equipment Operator ( Compaction Roller )	n/a	900	---
Heavy Duty Equipment Technician	7,200	10,800	✓
Industrial Electrician	7,200	10,800	✓
Industrial Mechanic (Millwright)	7,200	10,800	✓
Instrumentation and Control Technician	7,200	10,800	✓
Insulator (Heat and Frost)	7,200	10,800	✓
Ironworker (Generalist)	5,400	8,100	✓
Ironworker (Reinforcing)	3,600	5,400	✓
Ironworker (Structural/Ornamental)	3,600	5,400	✓
Landscape-Horticulturist	5,400	8,100	✓
Lather (Interior Systems Mechanic)	5,400	8,100	✓
Locksmith	n/a	9,000	---
Machinist	7,200	10,800	✓
Metal Fabricator (Fitter)	5,400	8,100	✓
Mobile Crane Operator* <i>Rescinded</i>	7,200	10,800	✓
(Hydraulic)	5,400	8,100	✓
(Lattice)	5,400	8,100	✓
Mobile Crane Operator	5,400	8,100	✓
Mobile Hoisting Equipment Operator	1,800	2,700	---
Motor Vehicle Body Repairer (Metal and Paint)	7,200	10,800	✓
Motorcycle Mechanic	n/a	7,200	✓
Oil Heat System Technician*	7,200	10,800	✓
Painter and Decorator	5,400	8,100	✓
Partsperson	n/a	7,200	✓
Plumber*	7,200	10,800	✓
Power Engineer (2nd Class)	7,200	n/a	---
Power Engineer (3rd Class)	3,600	n/a	---
Power Engineer (4 <sup>th</sup> Class)	1,800	n/a	---
Power System Technician	7,200	10,800	---
Powerline Technician	7,200	10,800	✓
Recreation Vehicle Service Technician	n/a	7,200	✓
Refrigeration & Air Conditioning Mechanic*	7,200	10,800	✓
River Control Operator	n/a	7,200	---
Roofer	5,400	8,100	✓
Sheet Metal Worker*	7,200	10,800	✓
Small Equipment Mechanic <i>Rescinded</i>	5,400	8,100	---

Occupation	Hours (App)	Hours (CQ)	Interprovincial Red Seal
Sprinkler Fitter*	7,200	10,800	✓
Staker/Detailer	n/a	3,600	---
Steamfitter-Pipefitter*	7,200	10,800	✓
Switchboard Operator	5,400	n/a	---
Tilesetter	n/a	9,000	✓
Tool and Die Maker	n/a	7,200	✓
Transport Refrigeration Service Technician	5,400	8,100	---
Truck and Transport Mechanic	7,200	10,800	✓
Underground Hardrock Miner – <i>Rescinded May 21, 2014</i>	4,500	6,750	---
Utility Arborist	n/a	5,400	---
Water and Waste Water Operator	n/a	<sup>1</sup>	---
Water Well Driller	n/a	4,000	---
Welder	5,400	8,100 <sup>1</sup>	✓

<sup>1</sup>See Appendix to Board Orders for requirements for candidates for Certificates of Qualification

\*Denotes compulsory occupation



Chair  
Apprenticeship and Occupational Certification Board

## Appendix to Board Orders

### Blaster

The categories of certification for the blaster occupation and their limitations are as follows:

- (a) Category 1 - the holder of a Category 1 certificate of qualification is authorized to supervise and perform surface and underwater blasting operations with no limitations;
- (b) Category 2 - the holder of a Category 2 certificate of qualification is authorized to supervise and perform surface and underwater blasting operations
  - (i) if under the supervision of the holder of a Category 1 certificate of qualification or under the control of a professional blasting engineer, with no limitations, or
  - (ii) if unsupervised, limited to a scale distance of 60 (imperial) and 22.7 (metric);
- (c) Category 3 - the holder of a Category 3 certificate of qualification is authorized to supervise and perform surface and underwater blasting operations with the following limitations:
  - (i) if supervised, to the limitations of the certificate of qualification of the supervisor; or
  - (ii) if unsupervised, limited to a maximum of 250 kg (550 lbs) of explosive per shot and to a scale distance of 60 (imperial) and 22.7 (metric); and
- (d) Category M - the holder of a Category M certificate of qualification is authorized to supervise and perform blasting operations in a smelter operation and is limited to a maximum of 10 kg (22 lbs) of explosive per shot.

No person shall be a candidate for a certificate of qualification in the Blaster occupation unless the person

- (a) attaches to the application a criminal record check issued not more than six months prior to the application

The requirements for each category of certification of the blaster occupation are as follows:

- (a) For Category 1, the candidate shall
  - (i) be the holder of a Category 2 certificate of qualification, and
  - (ii) prove to the Director by the same means as provided under paragraph (3)(a) that the candidate has performed at least fifteen hundred hours of work in blasting operations after obtaining the Category 2 certificate of qualification, and
  - (iii) prove to the Director that the candidate has performed 5 blasts exceeding 1000 kg (2200lbs) of explosive per shot, and
  - (iv) prove to the Director that the candidate has assisted in 5 blasts within 50 M of a structure that is normally occupied in whole or in part by people, including a house, residence, shop, church and school;
- (b) For Category 2, the candidate shall
  - (i) be the holder of a Category 3 certificate of qualification,
  - (ii) prove to the Director that the candidate has performed at least fifteen hundred hours of work in blasting, and
  - (iii) prove to the Director that the candidate has performed 5 blasts unsupervised, and
  - (iv) prove to the Director that the candidate has assisted in 5 blasts exceeding 250 kg (550 lbs) of explosive per shot, and

- (v) prove to the Director that the candidate has successfully completed a training program in that occupation as approved by the Director, and
  - (vi) successfully pass the examination for the Category 2 certificate of qualification under this section;
- (c) For Category 3, the candidate shall
- (i) prove to the Director that the candidate has performed at least one thousand hours of supervised work in blasting operations, and
  - (ii) prove to the Director that the candidate has assisted in a minimum of 5 blasts, and
  - (iii) prove to the Director that the candidate has successfully completed a training program in that occupation as approved by the Director, and
  - (iv) successfully pass the examination for the Category 3 certificate of qualification under this section;
- (d) For Category M, the candidate shall
- (i) prove to the Director that the candidate has performed at least one thousand hours of supervised work in blasting operations in a smelter operation, and
  - (ii) successfully pass the examination for the Category M certificate of qualification under this section

### **Hairstylist**

No person shall be a candidate for a certificate of qualification in the hairstylist occupation unless the person

- (a) Completes and files with the Director the application provided by the Director
- (b) Is the holder of a valid hairstylist license issued under *An Act to Incorporate the Cosmetology Association of New Brunswick*, and
- (c) Pays the fee for the examination for the certificate of qualification.

### **Heat Treatment Technician**

No person shall be a candidate for a certificate of qualification in the heat treatment technician occupation unless the person

- (a) Completes and files with the Director the application provided by the Director,
- (b) Proves to the satisfaction of the Director
  - (i) that experience has been gained equivalent to 7,200 hours of practical experience in the heat treatment technician occupation and that the person has successfully completed a training program in that occupation as required by the Director, or
  - (ii) that experience has been gained equivalent to 10,800 hours of practical experience in the heat treatment technician occupation,
- (c) has successfully passed Grade 12 or its equivalent as determined by the Board, and
- (d) pays the fee for the examination for the certificate of qualification.

## Water and Waste Water Operator

### Categories of certification

- (a) Water Distribution (WD)
  - (i) the holder of a Class I certificate of qualification is authorized to operate a Class I Water Distribution System
  - (ii) the holder of a Class II certificate of qualification is authorized to operate a Class II Water Distribution System
  - (iii) the holder of a Class III certificate of qualification is authorized to operate a Class III Water Distribution System
  - (iv) the holder of a Class IV certificate of qualification is authorized to operate a Class IV Water Distribution System
  
- (b) Water Treatment (WT)
  - (i) the holder of a Class I certificate of qualification is authorized to operate a Class I Water Treatment System
  - (ii) the holder of a Class II certificate of qualification is authorized to operate a Class II Water Treatment System
  - (iii) the holder of a Class III certificate of qualification is authorized to operate a Class III Water Treatment System
  - (iv) the holder of a Class IV certificate of qualification is authorized to operate a Class IV Water Treatment System
  
- (c) Wastewater Collection (WWC)
  - (i) the holder of a Class I certificate of qualification is authorized to operate a Class I Wastewater Collection System
  - (ii) the holder of a Class II certificate of qualification is authorized to operate a Class II Wastewater Collection System
  - (iii) the holder of a Class III certificate of qualification is authorized to operate a Class III Wastewater Collection System
  - (iv) the holder of a Class IV certificate of qualification is authorized to operate a Class IV Wastewater Collection System
  
- (d) Wastewater Treatment (WWT)
  - (i) the holder of a Class I certificate of qualification is authorized to operate a Class I Wastewater Treatment System
  - (ii) the holder of a Class II certificate of qualification is authorized to operate a Class II Wastewater Treatment System
  - (iii) the holder of a Class III certificate of qualification is authorized to operate a Class III Wastewater Treatment System
  - (iv) the holder of a Class IV certificate of qualification is authorized to operate a Class IV Wastewater Treatment System

The education and experience requirements for each category of certification of the water and wastewater system operator occupation are as follows:

#### **(a) Class I**

The candidate shall have

- a high school diploma, GED, or equivalent, and

- one year of acceptable operating experience of a Class I or higher utility.

***Class I Substitutions***

*No substitution for experience shall be permitted.*

**(b) Class II**

The candidate shall have

- Class 1 Certification in the category; and
- three years of acceptable operating experience of a Class I or higher utility.

***Class II Substitutions:***

*A maximum of 675 contact hours, or 68 CEUs, or 68 quarter credits, or 45 semester credits of post high school education in the environmental control field, engineering or related science may be substituted for 1.5 years of operating experience.*

**(c) Class III**

The candidate shall have

- Class 2 Certification in the category;
- 900 contact hours, or 90 CEUs, or 90 quarter credits, or 60 semester credits of post high school education in the environmental control field, engineering or related science; and
- four years of acceptable operating experience of a Class II or higher utility, including two years of direct responsible charge.

***Class III Substitutions***

*A maximum of 900 contact hours, or 90 CEUs, or 90 quarter credits, or 60 semester credits of post high school education in the environmental control field, engineering or related science appropriate post high school education may be substituted for two years of experience; however, the applicant must still have one year of direct responsible charge experience.*

*A maximum of one year of direct responsible charge experience in a Class II or higher position may be substituted for 450 contact hours, or 45 CEUs, or 45 quarter credits, or 30 semester credits of post high school education in the environmental control field, engineering or related science.*

**(d) Class IV**

The candidate shall have

- Class 3 Certification in the category;
- 1,800 contact hours, or 180 CEUs, or 180 quarter credits, or 120 semester credits of post high school education in the environmental control field, engineering or related science; and
- four years of acceptable operating experience of a Class III or higher utility, including two years of direct responsible charge.

***Class IV Substitutions***

*A maximum of 900 contact hours, or 90 CEUs, or 90 quarter credits, or 60 semester credits of post high school education in the environmental control field, engineering or related science, appropriate post high school education, may be substituted for two years of experience; however, the applicant must still have one year of direct responsible charge experience.*

*A maximum of two years of direct responsible charge experience in a Class III or higher position may be substituted for 900 contact hours, or 90 CEUs, or 90 quarter credits, or 60 semester credits of post high school education in the environmental control field, engineering or related science.*

**Welder**

No person shall be a candidate for a certificate of qualification in the Welder occupation unless the person

- (a) has been assessed through means acceptable to meet or exceed the benchmarks for the National Welder Practical Examination.

**Locksmith**

No person shall be a candidate for a certificate of qualification in the Locksmith occupation unless the person

- (a) attaches to the application a criminal record check issued not more than six months prior to the application.