

MOBILE CRANE OPERATOR

Occupation Description

“Mobile Crane Operator” means a person who operates a mobile crane to perform lifts and hoists, sets up cranes, takes down cranes and plans lifts and crane procedures.

For detailed information on the scope of knowledge and skills taught and assessed in this program refer to the Program Outline, available on the ITA website.

Pathways to Certification

In BC, an individual can become certified as a Mobile Crane Operator by completing the Mobile Crane Operator program or by challenging the certification. All crane operators must be registered with the British Columbia Association for Crane Safety (BCACS) prior to applying for ITA apprenticeship registration. Apprenticeship programs are for individuals who have an employer to sponsor them and challenge programs are for individuals who have extensive experience working in the occupation and wish to challenge the certification.

Youth can begin an apprenticeship in high school through the Youth Train in Trades or Youth Work in Trades programs. The Youth Work in Trades program is available for any trade if an employer is willing to sponsor the student. Trades offered through the Youth Train in Trades vary by region; contact your local school district to find out which technical training programs are being offered through the Youth Train in Trades program in your region.

Recommended Education

The following education is recommended for apprentices entering this occupation. These are not prerequisites, but rather a desired level of skill or knowledge that will contribute to success in the industry.

- Grade 12 or equivalent

BCACS Registration

BCACS registration is required for all crane operators in British Columbia. Registration forms are available on the BCACS website at www.bccranesafety.ca.

ITA Registration

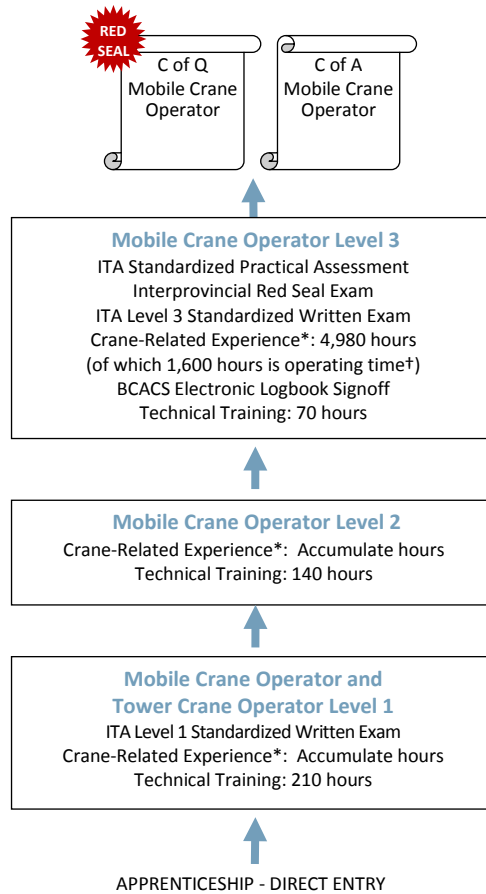
Individuals who wish to begin an apprenticeship in this program must register with ITA along with their sponsor. Application forms for all programs are available from the ITA website. Online registration is also available for most programs through the ITA website.

Those who wish to challenge the Mobile Crane Operator certification must complete the Mobile Crane Operator Challenge Application and submit it to ITA. Challenge applications are assessed for proof of workplace hours and scope of experience prior to acceptance of the individual into the challenge pathway.

Apprenticeship Pathway

This graphic provides an overview of the Mobile Crane Operator apprenticeship pathway.

C of Q = Certificate of Qualification
C of A = Certificate of Apprenticeship



* Crane-related experience as entered in the operator's BCACS electronic logbook

† Actual operation of the crane

CROSS-PROGRAM CREDITS

Individuals who hold partial credit in a crane program and plan to move to an alternate crane program



Apprenticeship Program Standards

Credentials Awarded

- Mobile Crane Operator – Certificate of Qualification with Interprovincial Red Seal endorsement
- Mobile Crane Operator– Certificate of Apprenticeship

ITA Registration Prerequisites

- Agreement signed by the employer to sponsor the apprentice

Completion Requirements Certification as a Mobile Crane Operator is awarded upon successful completion of:

Requirement	Level of Achievement Required
Technical Training	Minimum 70% in each level of technical training: <ul style="list-style-type: none"> ▪ Mobile Crane Operator and Tower Crane Operator Level 1: 210 hours ▪ Mobile Crane Operator Level 2: 140 hours ▪ Mobile Crane Operator Level 3: 70 hours
ITA Level 1 Standardized Written Exam	<ul style="list-style-type: none"> ▪ Minimum 70%
ITA Level 3 Standardized Written Exam	<ul style="list-style-type: none"> ▪ Minimum 70% ▪ <i>Note: Successful completion of the Level 1 Standardized Written Exam is required before attempting the Level 3 Standardized Written Exam</i>
Interprovincial Red Seal Exam	<ul style="list-style-type: none"> ▪ Minimum 70% ▪ <i>Note: Successful completion of the Level 1 Standardized Written Exam is required before attempting the Interprovincial Red Seal Exam</i>
ITA Standardized Practical Assessment	<ul style="list-style-type: none"> ▪ Pass ▪ <i>Note: Successful completion of the Level 1 Standardized Written Exam, the Level 3 Standardized Written Exam and the Interprovincial Red Seal Exam is required before attempting the practical assessment</i>
Work-Based Training	<ul style="list-style-type: none"> ▪ Minimum of 4,980 hours
Notification by BCACS that the Sponsor(s) has recommended certification of the apprentice in this trade	<ul style="list-style-type: none"> ▪ Electronic logbook which includes workplace hours signed off by the Sponsor(s)

Program Duration Duration varies depending on how training is delivered and the type and number of workplace hours that are accumulated.

The technical training requirement is typically met through block-release training (full-time, at school) delivered by an ITA-approved training provider. It can also be met through approved alternative training models (e.g., distance education, online, part-time) and/or level challenge where these options are available.



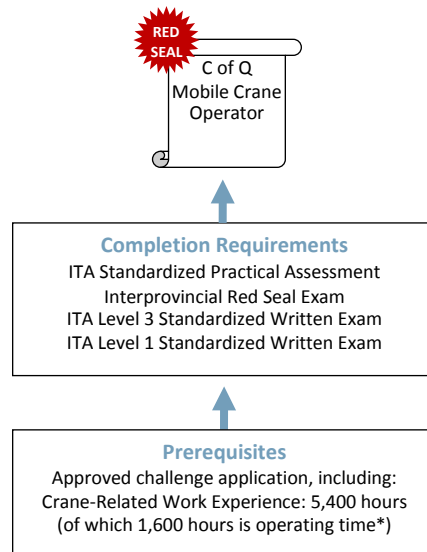
Apprenticeship Program Standards

Challenging a Level	<p>The following levels of technical training can be challenged for advanced placement in this program:</p> <ul style="list-style-type: none"> ▪ Mobile Crane Operator and Tower Crane Operator Level 1 	
Cross-Program Credits	<p>Individuals who hold partial credit in a crane program and plan to move to an alternate crane program</p>	
	Credential	Credit(s) Granted
	<p>Mobile Crane Operator and Tower Crane Operator Level 1</p>	<ul style="list-style-type: none"> ▪ Technical Training: Level 1, including ITA Level 1 Standardized Written Exam

Challenge Pathway

This graphic provides an overview of the Mobile Crane Operator challenge pathway.

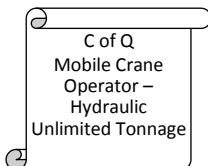
C of Q = Certificate of Qualification



** Actual operation of the crane*

CREDIT FOR PRIOR LEARNING

Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program



- Credit for Prior Learning:
- ITA Level 1 Standardized Written Exam
 - ITA Level 3 Standardized Written Exam

Challenge Program Standards

Credentials Awarded Mobile Crane Operator – Certificate of Qualification with Interprovincial Red Seal endorsement

ITA Registration Prerequisites An approved Challenge Application, which includes:

- Minimum of 5,400 documented hours of directly-related experience working in the occupation. 1,600 hours must be crane operating time.
- Documented evidence of achievement of the competencies listed in the ITA Mobile Crane Operator Challenge Application

Credit for Prior Learning Individuals who hold the credentials listed below are considered to have met, or partially met, the prerequisites for challenging this program:

Credential	Credit(s) Granted
Mobile Crane Operator – Hydraulic Unlimited Tonnage	<ul style="list-style-type: none"> ▪ ITA Level 1 Standardized Written Exam ▪ ITA Level 3 Standardized Written Exam

Completion Requirements Certification as a Mobile Crane Operator is awarded upon successful completion of:

Requirement	Level of Achievement Required
ITA Level 1 Standardized Written Exam	<ul style="list-style-type: none"> ▪ Minimum 70%
ITA Level 3 Standardized Written Exam	<ul style="list-style-type: none"> ▪ Minimum 70% ▪ <i>Note: Successful completion of the Level 1 Standardized Written Exam is required before attempting the Level 3 Standardized Written Exam</i>
Interprovincial Red Seal Exam	<ul style="list-style-type: none"> ▪ Minimum 70% ▪ <i>Note: Successful completion of the Level 1 Standardized Written Exam is required before attempting the Interprovincial Red Seal Exam</i>
ITA Standardized Practical Assessment	<ul style="list-style-type: none"> ▪ Pass ▪ <i>Note: Successful completion of the Level 1 Standardized Written Exam, the Level 3 Standardized Written Exam and the Interprovincial Red Seal Exam is required before attempting the practical assessment</i>

Supporting Documents

Mobile Crane Operator Program Outline (2016) – Defines the full scope of knowledge and skills required to competently perform the occupation in BC. Available from the ITA website: www.itabc.ca.

Mobile Crane Operator Getting Ready Guide – Provides information on the level examinations, examination topics and how an individual can prepare for the examination. Available from the ITA website: www.itabc.ca and from the BCACS website: www.bccranesafety.ca.

Mobile Crane Operator National Occupational Analysis (2013) – Prepared by industry experts, under the guidance of the federal government, for Red Seal trades to define the national standard of competence for the trade. Available from the Red Seal website: www.red-seal.ca.

Operator logbook – Crane programs utilize an electronic logbook which is assigned upon registering with the BC Association for Crane Safety (BCACS). All crane operators must be registered with BCACS.

Contacts

The **Industry Training Authority (ITA)** manages B.C.'s industry training and apprenticeship programs. Contact ITA Customer service if you have any questions regarding registration, examinations or certification for this program.

Telephone: 778-328-8700
Toll Free (within BC): 1-866-660-6011
Website: www.itabc.ca

Fax: 778-328-8701
Email: customerservice@itabc.ca

The **BC Association for Crane Safety (BCACS)** sets and manages the industry program standards and the crane operator certification program in British Columbia. BCACS works with industry to identify current and emerging knowledge, skill, and safety requirements for occupations related to this program.

Telephone: 604-336-4699
Email: info@bcacs.ca

Fax: 604-336-4510
Website: www.bccranesafety.ca

Revision History

The standards for this program were reviewed and/or updated on the dates below.

Program Standards Approved: December 2016
Updated: June 2017
July 2017

Program Profiles are updated regularly. Visit www.itabc.ca for the most current version.