

MOBILE CRANE OPERATOR – HYDRAULIC 80 TONNES AND UNDER

Occupation Description

“Hydraulic 80 Tonnes and Under” 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 SkilledTradesBC website.

Pathways to Certification

In BC, an individual can become certified as a Mobile Crane Operator – Hydraulic 80 Tonnes and Under by completing the Mobile Crane Operator – Hydraulic 80 Tonnes and Under program or by challenging the certification. All crane operators must be registered with BC Crane Safety prior to applying for SkilledTradesBC 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.

Foundation programs, where available, provide adults and youth who do not have work experience or employer sponsorship with an opportunity to gain the knowledge and skills needed to enter the occupation. Individuals who wish to enroll in a Foundation program must register directly with the training provider.

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

BC Crane Safety Registration

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

SkilledTradesBC Registration

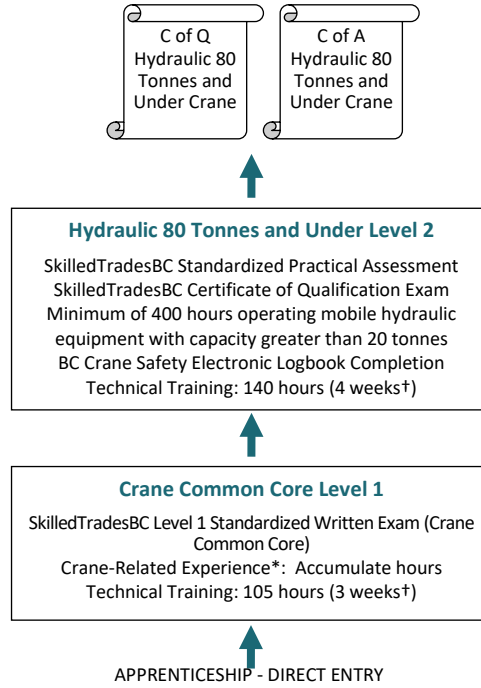
Individuals who wish to begin an apprenticeship in this program must register with SkilledTradesBC along with their sponsor. Application forms for all programs are available from the SkilledTradesBC website. Online registration is also available for most programs through the SkilledTradesBC website.

Those who wish to challenge the Mobile Crane Operator – Hydraulic 80 Tonnes and Under certification must complete the Mobile Crane Operator – Hydraulic 80 Tonnes and Under Challenge Package and submit it to SkilledTradesBC. 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 – Hydraulic 80 Tonnes and Under apprenticeship pathway.

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



* Crane-related experience as entered in the operator’s BC Crane Safety electronic logbook
† Suggested duration based on 35-hour week

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 – Hydraulic 80 Tonnes and Under - Certificate of Qualification
 - Mobile Crane Operator – Hydraulic 80 Tonnes and Under - Certificate of Apprenticeship

- SkilledTradesBC Registration Prerequisites**
- Agreement signed by the Sponsor to sponsor the apprentice

Completion Requirements Certification as a Mobile Crane Operator – Hydraulic 80 Tonnes and Under 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"> ▪ Crane Common Core Level 1: 3 weeks* ▪ Mobile Crane Operator – Hydraulic 80 Tonnes and Under Level 2: 4 weeks*
SkilledTradesBC Level 1 Standardized Written Exam (Crane Common Core)	<ul style="list-style-type: none"> ▪ Minimum 70%
SkilledTradesBC Certificate of Qualification Exam	<ul style="list-style-type: none"> ▪ Minimum 70%
SkilledTradesBC Standardized Practical Assessment	<ul style="list-style-type: none"> ▪ Pass
Work-Based Training	<ul style="list-style-type: none"> ▪ Duration will vary depending upon the individual and the completion of defined competencies ▪ Minimum of 400 hours operating mobile hydraulic equipment with capacity greater than 20 tonnes
Notification by BC Crane Safety that the Sponsor(s) has recommended certification of the apprentice in this trade	<ul style="list-style-type: none"> ▪ Completed electronic logbook signed off by the Sponsor(s) on all competencies and workplace hours

*(*Assuming 35 hours in school per week)*

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 a SkilledTradesBC-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.

- Challenging a Level** The following levels of technical training can be challenged for advanced placement in this program:
- Crane Common Core Level 1

Apprenticeship Program Standards

Cross-Program Credits

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

Credential

Credit(s) Granted

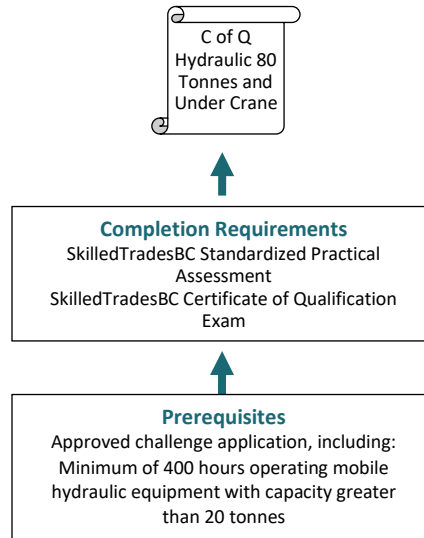
Crane Common Core Level 1

- Technical Training: Level 1, including SkilledTradesBC Level 1 Standardized Written Exam (Crane Common Core)

Challenge Pathway

This graphic provides an overview of the Mobile Crane Operator – Hydraulic 80 Tonnes and Under challenge pathway.

C of Q = Certificate of Qualification



CREDIT FOR PRIOR LEARNING

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

None

Challenge Program Standards

Credentials Awarded ■ Mobile Crane Operator – Hydraulic 80 Tonnes and Under - Certificate of Qualification

SkilledTradesBC Registration Prerequisites An approved Challenge Application, which includes:

- Documented evidence of achievement of the competencies listed in the SkilledTradesBC Mobile Crane Operator – Hydraulic 80 Tonnes and Under Challenge Application
- Minimum of 400 hours operating mobile hydraulic equipment with capacity greater than 20 tonnes

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
None	■ None

Completion Requirements Certification as a Mobile Crane Operator – Hydraulic 80 Tonnes and Under is awarded upon successful completion of:

Requirement	Level of Achievement Required
SkilledTradesBC Certificate of Qualification Exam	■ Minimum 70%
SkilledTradesBC Standardized Practical Assessment	■ Pass

Supporting Documents

Mobile Crane Operator – Hydraulic 80 Tonnes and Under Program Outline (2012) – Defines the full scope of knowledge and skills required to competently perform the occupation in BC. Available from the SkilledTradesBC website: www.skilledtradesbc.ca.

Operator logbook – Crane programs utilize an electronic logbook which is assigned upon registering with BC Crane Safety. All crane operators must be registered with BC Crane Safety.

Contacts

SkilledTradesBC manages B.C.'s industry training and apprenticeship programs. Contact SkilledTradesBC Customer service if you have any questions regarding registration, examinations, or certification for this program.

Telephone:	778-328-8700	Fax: 778-328-8701
Toll Free (within BC):	1-866-660-6011	Email: customerservice@skilledtradesbc.ca
Website:	www.skilledtradesbc.ca	

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

Telephone:	604-336-4699	Fax: 604-336-4510
Email:	info@bccranesafety.ca	Website: www.bccranesafety.ca

Revision History

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

Program Standards Approved:	March 2002
Updated:	December 2007
Updated:	June 2012
Updated:	October 2013
Updated:	May 2021
Updated:	July 2024

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