



Mobile Crane Operator

About this job

Mobile crane operators are safety minded with an interest in technology and mechanics. They have excellent eye-hand coordination, good concentration, and the ability to perform multiple operations simultaneously, as well as other important skills and traits.



MOBILE CRANE OPERATOR HOLDS NATIONAL OCCUPATION CLASSIFICATION (NOC) CODE #7371/72500



- **Three-year program**
- **Eligible for Red Seal Endorsement**
- **Requires out of the territory technical training**
- **Construction**

\$130,000

Estimated Average Journeyperson Salary

APPRENTICESHIP, TRADES, AND OCCUPATIONAL CERTIFICATION

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What can I expect to do for work if I become a Mobile Crane Operator?

Mobile crane operators service and operate the hoist and swing equipment used to move machinery, materials and other large objects. Mobile crane operators service and operate booms that are mounted on crawlers or wheeled frames as well as other types of hoisting equipment with a vertical mast or tower and a jib.

Operators use a number of pedals and levers to rotate the crane, and to raise and lower its boom and load lines. Some or all of these operations may be performed at the same time. Certification is required when operating mobile cranes with a lifting capacity of fifteen tons (13.6 tonnes) and over. Mobile crane operators also may drive the crane to the job site, rig the machine up, and set up the machine for the lift using blocking and leveling materials.

What kind of working conditions can I expect?

Mobile crane operators work outdoors, often in noisy, dusty conditions. They work in all types of weather. A 40-hour, five-day week is normal, but overtime may be required to meet deadlines. Hazards include injuries resulting from power line contact, crane overload, falls, weather conditions or manual lifting.

What are some skills that are valued in this profession?

- coordination, good vision, and manual dexterity,
- the ability to work at heights,
- the strength, stamina, and ability to use proper lifting techniques to lift heavy items,
- the ability to work as part of a team and communicate with ground crews, usually using hand signals and voice communication, and
- Making decisions independently.

What is the minimum requirement to become an apprentice in this trade?

Apprentices must obtain a minimum of 70% on the Trades Entrance Exam – TEE Category #1 or the equivalent education as outlined below. This must be done before signing the Apprenticeship contract and attending technical training.

How long will it take to complete a Mobile Crane Operator apprenticeship?

An apprenticeship takes about three years to complete, and includes three on the job periods and two technical training periods. You need to complete 1800 hours per period, for a total of 5400 hours.

How long is technical training?

Apprentices will attend 360 technical training hours. Apprentices usually go to school for this program in Alberta.

Eligibility Requirements

Entrance Exam – Pass Exam 2 with a score of 70% or higher

or

Completion of the following high school courses

- English 10-2 (pass) or Literacy 20 (65% or higher)
- Math 10C (pass) or Math 10-3 (65% or higher)
- Science 10 (pass)

or

All five Canadian General Educational Development (GED) tests

SCHOOLS NORTH APPRENTICESHIP PROGRAM (SNAP) - SNAP apprentices are not required to satisfy the entrance requirements prior to signing an apprenticeship contract. However, the SNAP apprentice must satisfy the entrance requirements or write the TEE before attending technical training.

Period	Technical Training ¹	Prerequisites for technical training	Hours ²
1st	6 Weeks 180 hours	Entrance Exam and 900 hours	1800
2nd	n/a	Completed 1 st Period	3600
3rd	6 Weeks 180 hours	Completed 2 nd Period	5400

¹Length of In-School Training

²Minimum Time Required to Complete (Includes Technical Training)

For more information:

www.gnt.ca/Apprenticeship