

NBTAP Secondary Pre-Apprenticeship



Over the course of the NBTAP Employment experience, student apprentices should observe, and perform, some of the following trade skills under the supervision of a qualified journeyman.

IMPORTANT NOTE: Students, as part of your NBTAP summer experience, you will be required to maintain a Secondary Pre-Apprenticeship Logbook. **Please be sure to obtain a copy of your NBTAP Logbook from your School Champion or the Pre-Apprenticeship Coordinator PRIOR to starting your employment placement.**



Mobile Crane Operator: Trade Related Skills

- Maintains safe work environment, including: hazard identification, participating in safety meetings, adhering to safety policies, demonstrating good housekeeping practices, as well as selecting and inspecting personal protective equipment
- Identifies load weight, interprets load charts and calculates weight of basic loads
- Determines lift radius, crane orientation, and crane configuration
- Performs basic sling angle calculations, including demonstrating knowledge of effect of sling angle on tension
- Inspects engine systems and drives crane
- Assists with assembly and disassembly of mobile cranes, including removing hoist lines, hook blocks and overhaul balls
- Performs workload limit (WLL) calculations, including: effective of sling configuration on WLL
- Inspect chassis/car body, running gear components, outriggers, counterweight attachment/securement, air systems, electrical systems, hydraulic systems, and monitoring and warning systems
- Performs hoisting system inspections
- Monitors gauges and warning systems during operation
- Selects required rigging based on load weight and characteristics of basic loads
- Performs basic crane operation to lift, swing, place and carry a load according to manufacturer's specifications and company policies

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CONTACT US

Visit: <https://futurenewbrunswick.ca>

Email: nbtap@gnb.ca