



## RIIHAN305D Operate a gantry or overhead crane Course Information

### Objective

This unit covers the skills and knowledge required to safely operate a gantry or overhead crane in the Resources and Infrastructures Industry.

This unit is appropriate for those working in operational roles.

This is a nationally recognised training course and successful completion will lead to the issuance of a Statement of Attainment in RIHAN305D.

### Who should attend

This course is suitable for individuals who are required to operate a gantry or overhead crane and includes planning and preparing for operations, operating the gantry/overhead crane, and performing crane operator maintenance.

### Pre requisites

There are no pre-requisites units required for enrolment in this course.

Candidates must be 18 or over at commencement of this course.

### Licensing/Regulatory information

There are no licensing requirements for this unit. If you are seeking a Bridge and Gantry Crane High Risk Work Licence please see our course TLILIC3003 Licence to operate a bridge or gantry crane (CB).

### Language, literacy and numeracy (LLN) requirements

Successful completion of this course requires you to have reasonable levels of language, literacy and numeracy (LLN) ability. Specifically, you are required to possess the following foundation skills:

- Language skills to use and interpret vocabulary specific to gantry and overhead crane operations and workplace procedures to communicate with others workplace personnel, use non-verbal feedback to support effective communication, and use relevant hand and whistle conventions.
- Literacy (reading) skills to interpret documentation that includes technical specifications including gantry and overhead crane data plate, plant operation manuals and manufacture's specifications; workplace procedures and emergency procedures; and workplace signage and labels.
- Literacy (written) skills to accurately record and maintain information relating to the operation of gantry and overhead cranes including incident reports and vehicle checking and maintenance records.
- Numeracy skills to interpret numerical information including selecting appropriate equipment in accordance with load and workplace conditions; load weight assessment to ensure compliance with gantry and overhead crane data plate specifications; and controlling and monitoring instrument readings.
- Employment skills to safely operate gantry and overhead cranes in different environments and under different conditions; and to improve own performance.
- Self management skills to implement risk controls and initiate emergency management strategies.

Samples of the course requirements are covered in our pre-enrolment materials and are available from our Administration team.

**Recognition of Prior Learning (RPL)**

RPL is available for this unit. For more information contact our Administration team regarding eligibility.

**Estimated duration**

1 days of approx. 8 hours per day for a maximum of 8 candidates.

**Expected mode of delivery**

This course is conducted via face-to-face workshop in an on-the-job or off-the-job environment. Learners participate in class room based theory presentation and discussion, learning and assessment before undertaking practice opportunities followed by practical assessments. All theory and practical learning and assessment activities are completed within the workshops. There is no pre-reading, external course work or work placements required. Candidates are provided with a comprehensive Learner Guide for reading and note taking.

**Assessment**

Assessment activities include the following:

- Theory knowledge test (written or oral)
- Performance of the following practical activities including:
  - Hazard identification and risk controls
  - Pre start checks
  - Post start checks
  - Test lift
  - Operation of crane to the full range of its capability
  - Shut down and secure the crane

For further information on the assessment requirements please contact our Administration team.

**Funding**

You may be eligible to claim up to 80% of your course cost through the Building & Construction Industry Training Fund (BCITF). To find out if you are eligible please call BCITF on 9244 0100 or ask our staff.

Please note that Tom Price & Sons is not a VET FEE Help provider.

**Course content**

The course covers the following performance and knowledge evidence which are essential for demonstrating competence in this unit.

*Performance evidence*

Evidence must demonstrate that the candidate:

- locates and applies relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of the operation of a gantry or overhead crane, including:
  - planning and preparing for operating the gantry or overhead crane
  - performing crane inspection and fault finding
  - accessing , interpreting and applying technical information
  - selecting and using relevant tools and equipment
- works effectively with others to undertake and complete the operation of a gantry or overhead crane that meets all of the required outcomes including:
  - using a range of communication techniques and equipment to coordinate activities with others
  - maintaining all written and verbal reporting requirements and procedures

- demonstrated completion of operating a gantry or overhead crane that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
  - performing pre-start, start-up, part-up and shutdown procedures
  - operating crane controls to lift, transfer and lower loads
  - completing maintenance operations, including:
    - inspection of gantry or overhead crane
    - performing operations servicing and lubrication
  - calculating volume and weights
  - disposing of environmentally sensitive fluids and materials.

*Knowledge evidence:*

The candidate must demonstrate knowledge of the following when operating a gantry or overhead crane:

- accessing and applying the National Standard for High Risk Work
- identifying crane equipment characteristics, technical capabilities and limitations
- accessing, interpreting and applying technical crane information
- applying fault finding techniques
- identifying, interpreting and using hand and whistle signals

**Frequently asked questions**

*Q. Can I do this course in my workplace?*

A.. On site training and assessment must be organised through a workplace supervisor to ensure that all the required materials and a suitable working area is made available to suit the assessment and workplace. All assessment will be conducted under standard and authorised work practices, time lines, safety requirements and environmental constraints.

Should you require more information or have any further questions please contact our Administration team on 9726 0812.