



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **CPC31111 Certificate III in Steelfixing**

**Release: 1**

## **CPC31111 Certificate III in Steelfixing**

### **Modification History**

Not Applicable

### **Description**

This qualification provides a trade outcome in steelfixing in the construction industry. Occupational titles may include:

- Steelfixer.

The qualification has core unit of competency requirements that cover common skills for the construction industry, as well as a specialist field of work.

The construction industry strongly affirms that training and assessment leading to recognition of skills must be undertaken in a real or very closely simulated workplace environment and this qualification requires all units of competency to be delivered in this context.

Completion of the general induction training program specified by the National Code of Practice for Induction Training for Construction Work (ASCC 2007) is required before entering a construction work site. Achievement of unit CPCCOHS1001A covers this requirement.

### **Pathways Information**

Not Applicable

### **Licensing/Regulatory Information**

Not Applicable

### **Entry Requirements**

Not Applicable

## Employability Skills Summary

### EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

#### Employability skill

#### Industry/enterprise requirements for this qualification include:

#### Communication

- Communicates with clients, colleagues and others using effective and appropriate communication techniques, including:
  - Clear and direct communication
  - Active listening
  - Verbal and non-verbal language
- Questioning to identify and confirm requirements
- Language and concepts appropriate to cultural differences
- Follows instructions from supervisor and other relevant persons
- Understands, interprets and applies information as required from:
  - Regulatory, legislative, licensing and organisational requirements
  - Environmental and OHS requirements, including material safety data sheets (MSDS)
  - Codes and standards
  - Plans, drawings and specifications
  - Schedules
  - Load tables
  - Safety signs and symbols
- Organisational policies and procedures
- Understands relevant definitions, terminology, symbols, abbreviations and language
- Records relevant information using standard workplace documentation
- Applies measurements and calculations using appropriate equipment, formulas and records as required
- Reports and records hazards and risks

#### Teamwork

- Works as part of a team
- Provides assistance and encouragement to other team members
- Initiates and encourages improvements in team performance
- Identifies and utilises the strengths of other team members

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

- Relates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities
  - Coordinates and actions tasks
  - Participates in on-site meetings
- Problem solving
- Examines tools and equipment prior to use for damage, missing components or other defects
  - Identifies typical faults and problems and takes remedial action and/or reports to supervisor
  - Rectifies simple faults with tools and equipment
  - Investigates and resolves discrepancies in coding, numbering and materials
- Initiative and enterprise
- Identifies opportunities to improve resource efficiency and makes suggestions as appropriate
  - Responds to change and workplace challenges
  - Puts ideas into action
  - Maximises use of resources by recycling, re-using or using appropriate disposal methods
- Planning and organising
- Identifies hazards and implements appropriate hazard control measures
  - Identifies and manages risks
  - Carries out site inspection to identify requirements
  - Selects and uses appropriate materials, cutting methods, tools and equipment
  - Determines material quantity requirements
  - Prioritises and sequences tasks
  - Applies time management skills to ensure work is completed to time requirements
- Self management
- Evaluates own actions and makes judgements about performance and necessary improvements
  - Contributes to workplace responsibilities, such as current work site environmental/sustainability frameworks or management systems
  - Manages own performance to meet workplace standards
  - Seeks support to improve work performance
  - Cleans up work area, including tools and equipment
- Learning
- Identifies own learning needs and seeks skill development as required
  - Is open to learning new ideas and techniques
- Technology
- Uses calculators
  - Uses and operates a range of tools and equipment

## EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

- correctly and safely
- Carries out pre- and post-operational checks on equipment and machines
- Performs tool and equipment maintenance as required

## Packaging Rules

### Packaging rules

To achieve this qualification, the candidate must demonstrate competency in:

- 17 units of competency:
- 14 core units
- 3 elective units.

A maximum of one of the three required elective units may be substituted by selecting relevant units of competency from any Certificate III or IV construction qualification or qualification in another endorsed Training Package.

### Core units

CPCCCM1012A	Work effectively and sustainably in the construction industry
CPCCCM1013A	Plan and organise work
CPCCCM1014A	Conduct workplace communication
CPCCCM1015A	Carry out measurements and calculations
CPCCCM2001A	Read and interpret plans and specifications
CPCCCM2006A	Apply basic levelling procedures
CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry

### *Steelfixing field of work*

CPCCSF2001A	Handle steelfixing materials
CPCCSF2002A	Use steelfixing tools and equipment
CPCCSF2003A	Cut and bend materials using oxy-LPG equipment

CPCCSF2004A	Place and fix reinforcement materials
CPCCSF2005A	Arc weld reinforcement steel
CPCCSF2006A	Machine cut reinforcement materials
CPCCSF3001A	Apply reinforcement schedule

**Elective units***Specialist steelfixing field of work*

CPCCSF2007A	Splice and anchor using mechanical methods
CPCCSF3002A	Carry out monostrand post-tensioning
CPCCSF3003A	Carry out multistrand post-tensioning
CPCCSF3004A	Carry out stressbar post-tensioning

*General electives*

CPCCCM2008A	Erect and dismantle restricted height scaffolding
CPCCCO2014A	Carry out concrete work
CPCPCM2033A	Weld using arc welding equipment
BSBSMB301A	Investigate micro business opportunities
BSBSMB406A	Manage small business finances
RHIOHS202A	Enter and work in confined spaces