

# Unit of Competency CPCCJS3003

## Assemble and install stairs

### Application

This unit of competency specifies the skills and knowledge required to set out, assemble and install prepared components of straight flight stairs, meeting all relevant requirements of the National Construction Code (NCC), Australian Standards, work health and safety (WHS), and Commonwealth and state or territory legislation.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

### Prerequisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

### Elements and Performance Criteria

1. Plan and prepare.	<ul style="list-style-type: none"><li>1.1 Read and interpret work instructions and plan sequence of work.</li><li>1.2 Plan all work to comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, workplace requirements, drawings and specifications.</li><li>1.3 Select tools and equipment, check for serviceability and report any faults.</li><li>1.4 Select and use personal protective equipment (PPE) for each part of the task.</li><li>1.5 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.</li><li>1.6 Measure stairwell, check against drawings and make adjustments or report issues.</li><li>1.7 Check stair components to identify, rectify and/or report imperfections and variances from specifications.</li></ul>
2. Assemble and fix stringers and newel posts.	<ul style="list-style-type: none"><li>2.1 Assemble and fix or temporarily support all stringers in position.</li><li>2.2 Assemble and fix newel posts in position.</li><li>2.3 Brace assembled stringers and newel posts temporarily in a vertical position.</li></ul>
3. Install treads and risers.	<ul style="list-style-type: none"><li>3.1 Cut manufactured treads and risers to length, fit and fix to assembly, and check top flight to be true and square.</li><li>3.2 Fit and wedge intermediate treads and risers to fit tight to housings.</li></ul>
4. Assemble and install landings.	<ul style="list-style-type: none"><li>4.1 Fit and fix landing joists to level.</li><li>4.2 Fit and fix nosing and flooring to specified finish and fit, and fix fascia to landing.</li></ul>
5. Install balustrade.	<ul style="list-style-type: none"><li>5.1 Fit balusters and check for plumb.</li></ul>

	5.2	Put newel posts in position, check for plumb, and fix.
	5.3	Fit and check height of handrails, and fix.
6. Finish stair installation and clean up.	6.1	Check assembled stairs for quality.
	6.2	Clear area and remove waste material.
	6.3	Fit glue blocks to treads and risers.
	6.4	Display signs to prevent use of stairs until adhesives have dried.
	6.5	Clean, maintain and store tools and equipment.

## Foundation skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Unit Mapping Information

Supersedes and is equivalent to CPCCJS3003A Assemble and install stairs.

## Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

# Assessment Requirements for CPCCJS3003

## Assemble and install stairs

### Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by assembling and installing:

- one staircase, minimum six risers to be fixed to a wall, incorporating:
  - stringers
  - one landing
  - winders
  - a closed stringer and a cut stringer
  - a balustrade comprising handrail, balusters and newel posts.

### Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- compliance requirements of the National Construction Code and Australian Standards relevant to assembling and installing stairs
- workplace quality policies and standards for assembling and installing stairs
- safety requirements for assembling and installing stairs
- components of stairs:
  - balusters
  - flooring
  - handrails
  - landing joists
  - newel posts
  - nosing
  - risers
  - stringers
  - treads
  - winders
- different stair types and implications for on-site installation
- processes to interpret drawings and specifications for assembly and installation of stairs
- levelling techniques used when installing stairs on site
- procedures for assembling stairs in correct sequence
- processes for taking accurate measurements and setting out stairs
- types and uses of tools and equipment required to assemble and install stairs
- stair construction and joining methods for different types of stair designs
- use, characteristics and limitations of adhesives, fixings and fasteners for installing stairs
- checks for assembled stairs:
  - joints are secure and clean
  - no creaks in timber
  - no pencil or construction markings
  - treads and riser distances are equal size and compliant.

### Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions and standards, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

## Links

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