

National Apprenticeship - Occupational Profile

Craft Occupation Carpentry & Joinery

Industry Served Construction

Profile of Craft

The Trade of Carpentry & Joinery is very wide and varied, it encompasses most of the skills required by the Wood Trades. These skills required of the Carpenter & Joiner are not confined to those required to work in wood but include skills in the use of metals, plastics and fabrics. The Carpenter & Joiner is also required to work in a cross section of domains within the overall trade. The following are some examples:

Joinery Shop:

This section of the occupation requires the Carpenter & Joiner to engage in setting out, production and assembling items of joinery which include stairs, doors, windows and built-in furniture.

Site Work:

Site work is the construction of buildings or houses which require 1st fixing, formwork roofs and 2nd fixing. This section is split into two categories, constructing/civil engineering contracts.

Maintenance:

Maintenance work requires the Carpenter & Joiner to carry out a variety of tasks in general maintenance and upkeep of public and private buildings, e.g. shops and factories.

There are other areas associated with the trade which include: renovating buildings, shopfitting, exhibition/display work.

At the end of the apprenticeship, the craftsman will be able to demonstrate competence in the following skills:

Core Skills

- Construction of upper floors
 - Construction of flat roofs
 - Construction of pitched roofs
 - Construction of hip roofs
 - Construction of pitching roofs (trussed)
 - Construction of load and non-load bearing partitions
 - Fabrication and erection of formwork for walls, columns, floors, stairs
 - Construction and hanging of the following:
 - Framed and sheeted doors
 - Panelled doors
 - Flush doors
 - Construction and installation of internal and external door frames
 - Construction and installation of windows
 - Carrying out 1st and 2nd fixing on buildings
 - Operation of the following powered hand tools:
 - Saw, planer, drill, router, screwdriver, ballistic gun, router, sander, jig saw
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Specialist Skills

- Construction of moulds
- Construction of centres for arches
- Construction of specialist type joinery
- Construction of fittings
- Setting out buildings
- Site levelling

Personal Skills

- Communications
- Customer relations
- Adaptability
- Ability to work as a team member
- Ability to work independently
- Initiative
- Problem solving
- Planning
- Information gathering
- Quality systems
- Safety

Generic Skills

- Use and care of hand tools
- Interpreting drawings
- Measurement
- Setting out
- Marking out
- Planning (production)
- Calculations
- Work practice
- Use of manufactured boards
- Fixings
- Ironmongery
- Basic wood joints
- K/D fittings
- Setting up and operation of machines for specific operations

NOTE: Integrated curriculum includes maths, science and theory, drawing and computer applications
