

ADVANCED CARPENTRY AND JOINERY APPRENTICESHIP STANDARD

Standard Code ST0263
Course Level 3
Combined Day and Block Release
Location: Lincoln
Funding Level £9000
Duration 21mths including EPA

Course Description

The occupation involves carrying out advanced skilled work, primarily using timber products, either on a construction site, or in a workshop, creating and installing building components. The advanced carpenter and joiner are able to undertake complex job tasks, requiring high levels of practical skills and knowledge, in addition to managing their own work and leading small teams.

The main differences between a level 2 site carpenter / architectural joiner, and a level 3 advanced site carpenter / architectural joiner are that the advanced carpenter / joiner has responsibility for managing their own and other people's work, as well as being required to complete complex and non-standard work.

Examples of complex tasks include curved products, irregular joints and bespoke work.

This is a core and options apprenticeship, with two pathways:

Pathway 1: An Advanced Site Carpenter will normally work on a building site, or in domestic and commercial premises, preparing and installing complex and often bespoke building components e.g. high-quality doors, shaped linings, staircases with turns, complex wall and floor units, erecting bespoke structural carpentry (inclined roofs and joists) and erecting complex roof structures (e.g. inclined roofs with hips, valleys and dormers).

Pathway 2: An Advanced Architectural Joiner will normally be employed in a workshop, producing complex building components by setting out, marking out and manufacturing bespoke architectural products (e.g. doors, windows, staircases with turns and panelling/cladding).

Off the Job Training

A key requirement of an Apprenticeship is Off-the-job training. This must make up at least 20% of the apprentice's contracted hours, over the total duration of the apprentice's planned training period. Off-the-job training must be directly relevant to the apprenticeship standard and must take place within the apprentice's normal working hours.

The new learning must be documented and reflected on through the Learner Journal on their e-portfolio.

Entry Requirements

GCSE Grade 4 in English & Maths plus a Level 2 Joinery Qualification

Before a candidate is offered a place on the Advanced Joinery Apprenticeship, both the candidate and the employer will be assessed to make sure they are suitable to undertake the apprenticeship. The apprentice will need to meet academic entry requirements and the employer must be able to offer the apprentice the range of work required to enable the candidate to gather sufficient evidence throughout the course.

Apprentices will require access to a tablet/computer to access their e-portfolio.

Knowledge, Skills and Behaviours

Core Knowledge (both pathways)

On completion of this apprenticeship, advanced carpentry and joinery workers will have the same knowledge as a carpenter and joiner, but also be able to:

- Understand, in more detail, the key aspects of health, safety and welfare good practice and how to apply these to create a safe and healthy working environment.
- Understand how to plan and carry out work effectively, considering complex environmental and task related challenges.
- Understand how to develop and maintain excellent working relationships with others.
- Understand how to access data needed to plan and execute work tasks accurately, including an understanding of Building Information Modelling (BIM.) and its impact on construction projects.
- Understand their broader responsibilities under current legislation and guidance in undertaking construction work.
- Understand the importance of team working and being prepared to take a lead.

Core Skills and Competencies (both pathways)

On completion of this apprenticeship, advanced carpentry and joinery workers will be able to carry out all the activities undertaken by a carpenter and joiner, but also be able to:

- Work safely and pro-actively in the application of good health and safety practice in their work area, to protect self and others.
- Understand the programme and work schedule for their work area and plan their work accordingly.
- Develop and maintain good working relationships with managers, supervisors and work colleagues.
- Determine the best way of carrying out the work and ensure this is communicated clearly to colleagues.
- Interpret technical specifications and ensure compliance with legislation/ guidance relevant to the work being done.
- Select the required quantity and quality of resources required for carrying out complex and non-standard work, including timber, tools and fixings.
- Be prepared to take a lead when working in a team, especially when complex or non-standard work is involved.

Generic behaviours expected to be displayed by all advanced Carpentry and Joinery workers (both pathways)

- Effective communication: oral, written, listening, body language, presentation – especially in working with others.
- Team work: work effectively without supervision and give leadership to others - being willing to lead a team.
- Independent working: take responsibility for completing own work and monitoring the work of others.
- Logical thinking: use clear and valid reasoning when making decisions and in achieving work goals with others.
- Working effectively: undertake the work in a reliable and productive manner, lead others by example.
- Time management: use own time effectively to complete work on schedule and support effective team working.
- Adaptability: be able to implement change and adjust existing requirements to meet the work instructions.

Pathway 1: Specific Advanced Site Carpenter Skill Requirements

On completion of this apprenticeship, advanced site carpenters will have the same occupational skills as a site carpenter but also be able to demonstrate the ability to:

- Utilise a range of advanced trade skills which allow them to carry out complex carpentry work to highly skilled standards and tolerances, to include measuring, marking out, fitting, cutting, splicing, finishing, positioning and securing.
- Install complex and non-standard doors and window frames, shaped door and hatch linings, partitions with openings and changes of direction and staircases with turns.

- Install accessible service encasements, bespoke wall/ floor units and fitments, panelling and stair components (e.g. balustrades, handrails and spindles with turns).
- Erect inclined roofs with gables, roof verges and eaves, including finishings, joists and roof coverings.
- Repair and or replace frames, mouldings, floor or flat roof joist coverings, door and window ironmongery, window components, structural joists and rafters, window components, guttering and downpipes.

Pathway 1: Specific Advanced Site Carpenter Knowledge Requirements

On completion of this apprenticeship, advanced site carpenters will have the same occupational knowledge as a site carpenter but will also:

- Understand the technical principles of advanced site carpentry, such as effective and appropriate installation practices, being able to apply this knowledge in preparing and fixing complex, nonstandard timber-based products and components, such as erecting inclined roofs, making, assembling and erecting complex roof structures, including hip and dormer cut roofs, maintaining and repairing non-standard joinery products.
- Understand how to carry out advanced calculations and work out cutting angles for complex carpentry work such as using a roofing square to calculate roof spar lengths and using a sliding bevel to mark out splayed joints.
- Understand how to form complex joints associated with advanced site carpentry work, such as splayed and plumb.

Pathway 2: Specific Advanced Architectural Joiner Skill Requirements

On completion of this apprenticeship, advanced architectural joiners will have the same occupational skills as an architectural joiner but will also be able to demonstrate the ability to:

- Utilise advanced trade skills to carry out complex architectural joinery work to a high standard and to demanding tolerances.
- Set out complex work tasks for nonstandard architectural joinery products, including complex door sets, doors, windows, units and fitments, staircases (straight and with turns) and products with single/double curvature features.
- Mark out accurately from setting out details for the manufacture of complex doors, opening windows, units and fitments and staircases.
- Manufacture complex and non-standard architectural joinery products including doors, windows with opening lights, units and fitments, panelling/cladding, staircases (straight and with turns) and veneers.
- Use, maintain and store marking and testing tools, hand tools, power tools and associated equipment required for advanced work.
- Set up and use fixed machinery such as circular saws, planers, thicknessers, bandsaws, morticers, tenoners, spindle moulders, drills, grinders and sanders.

Optional (as determined by the employer)

- Produce computer aided design (CAD) setting out details and set out by CAD.
- Produce wood and wood-based products using computer numerically controlled/numerically controlled (CNC/ NC) machinery.

Pathway 2: Specific Advanced Architectural Joiner Knowledge Requirements

On completion of this apprenticeship, advanced architectural joiners will have the same occupational knowledge as an architectural joiner but will also:

- Understand the technical principles of advanced architectural joinery, using this knowledge to set out and produce cutting lists for complex and non-standard products, marking, manufacturing, fitting and assembling complex, non-standard products.
- Understand how to take complex site and workplace dimensions, such as measuring curved openings and ensuring that units fit obtuse/acute angled walls.
- Understand how to form and proportion advanced wood joints associated with complex architectural joinery work, such as subbed rebate joints, stub mortice and tenon joints and bridle joints.
- Understand how to set up, use and maintain fixed machinery used for complex joinery tasks, such as developing and using specialist jigs to manufacture curved timber products.

Optional (as determined by the employer)

- Understand the principles of computer aided design (CAD) and how to apply them to produce CAD setting out details and set out by CAD.
- Understand how to set up and use computer numerically controlled/ numerically controlled (CNC/NC) machinery to produce timber and timber-based products.

Assessment

Once accepted onto the course, the apprentice will attend college one day per week to study practical work, theory work, undertake reviews, update their portfolio and record their 'Off the job Training'. The apprentices will also attend several block weeks for their practical training.

The apprentice will be assessed by a work-based assessor through practical work with their employer and at college.

Review of progress and growth targets will be set every 4 – 10 weeks, depending on individual needs.

A full delivery plan will be provided when the apprentice starts on the programme.

End Point Assessment

During their time on-programme, the apprentice will build a portfolio of evidence of their work and their knowledge. The assessor and employer will help the apprentice to create a 'Showcase portfolio' which will be used by an Independent End-Point Assessor during the End-Point Assessment. The apprentice will study Functional Skills Maths & English if they have not already achieved a Grade 4 or above in their GCSE's.

Once both the assessor and employer are confident that the apprentice is ready for EPA then the apprentice will go through the gateway. In order for the apprentice to go through the gateway they must have passed their Maths & English GCSE's at grade 4 / Level 2. All required 'Off the Job Training' will have to have been recorded on the learners e-portfolio account. This will then allow apprentices to be booked in for the End Point Assessment (EPA).

End Point Assessment

The Final Assessment forms a large part of the assessment of the apprenticeship and will be delivered by a 3rd party independent assessor.

End-Point Assessment includes;

- An Online Knowledge Test (45 Questions / 60 Minutes).
- A Skills test in an unfamiliar location (6 Hours).
- Oral Questioning related to the learners Showcase Portfolio (60 Minutes).

Qualifications

Apprentices must achieve a Level 3 National Vocational Qualification (NVQ) to demonstrate competency in their chosen occupation.

- Pathway 1: NVQ Level 3 Diploma in Wood Occupations – Site Carpentry
- Pathway 2: NVQ Level 3 Diploma in Wood Occupations – Architectural Joinery

Progression

The Joinery Apprenticeship will qualify Apprentices to a good standard which will enable them to work independently as a Joiner. Apprentices could also move onto the Level 3 qualifications such as Site Management and other office-based roles in the construction industry.

Fees

As an Apprentice, you will pay no course fees. However, your employer may have to pay towards your training as well as providing you with a wage. All Apprentices must receive a minimum wage of £4.30 per hour within their first year of training from their employer, although they can, and often do, pay more. In the second and subsequent years of an Apprenticeship programme, the national minimum wage for your age would apply.

If you are an employer and want to find out more information regarding employer contributions and any further costs related to the Apprenticeship programme, please contact our dedicated Apprenticeship team at employers@lincolncollege.ac.uk

Business Benefits

Employers have designed the Apprenticeship Standards to meet the needs of the sector and industry. Ensuring they include:

- Relevant Knowledge, skills and behaviours ensure that the Standard is relevant to the occupation.
- Widening participation Apprenticeship standards provide opportunities to employees that may not previously have been available.
- Development tools A cost effective way to train your employees to undertake specific roles in your business.
- Return on Investment On average, an apprentice who has completed their course will increase business productivity by £214 per week (CEBR, 2015).

Key Contacts

For further information or to arrange a face to face visit, please contact a member of the Construction Apprenticeships team using the details below;

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