

Cheshire and Warrington Labour Market - Construction - Onsite Construction

The Cheshire and Warrington Data and Labour Market Steering Group have commissioned this work which takes the qualification pathways that have been developed by the Institute for Apprenticeships and Technical Education, mapping different occupations against them and contextualising them for the Cheshire and Warrington economy.

Other Pathways include:

- Construction – Building Services Engineering Pathway
- Construction – Design, Surveying & Planning Pathway
- Digital Route
- Logistics Pathway
- Science Pathway
- Transport Pathway

The pathways will be updated as necessary and, by the end of October, all the draft pathways will be posted on the LEP website.

Cheshire and Warrington Briefing: Onsite Construction Occupations

Introduction

This briefing covers some key facts about Onsite Construction occupations in Cheshire and Warrington:

- What sort of jobs are there?
- How many jobs are there and what do these jobs pay?
- Which employers are recruiting and where are jobs being advertised?
- What sort of skills are employers looking for?
- What sort of apprenticeships are available?
- What sort of courses can young people and adults do?

Onsite Construction Occupations Description

The types of jobs in Onsite Construction are:

- Construction Operative/Supervisor
- Construction Specialist Operative/ Technician
- Core Building Tradesperson
- Metal and Steel Operative
- Construction Site Supervisor
- Construction Professional

A fuller description of the occupations in Construction - Onsite Construction Pathway¹ can be found at Annex 1

Onsite Construction jobs wages in Cheshire and Warrington

The table below sets out details on job numbers and the median wages that different occupations that fall into the Onsite Construction pathway attract in Cheshire and Warrington.

Job Numbers and median wages of Onsite Construction occupations in Cheshire and Warrington		
Production Managers and Directors in Construction	2423	£45,868
Construction Project Managers and Related Professionals	1092	£38,237
Steel Erectors	128	£28,747
Bricklayers and Masons	403	£24,552
Roofers, Roof Tilers and Slaters	149	£25,775
Carpenters and Joiners	1298	£25,513
Construction and Building Trades n.e.c.	1249	£24,656
Plasterers	130	£25,673
Floorers and Wall Tilers	198	£26,897
Painters and Decorators	528	£25,647
Construction and Building Trades Supervisors	626	£35,333

¹ This is the Construction - Onsite Construction Pathway as described in the Institute for Apprenticeships and Technical Education (IFATE) Occupational Maps <https://www.instituteforapprenticeships.org/occupational-maps/>



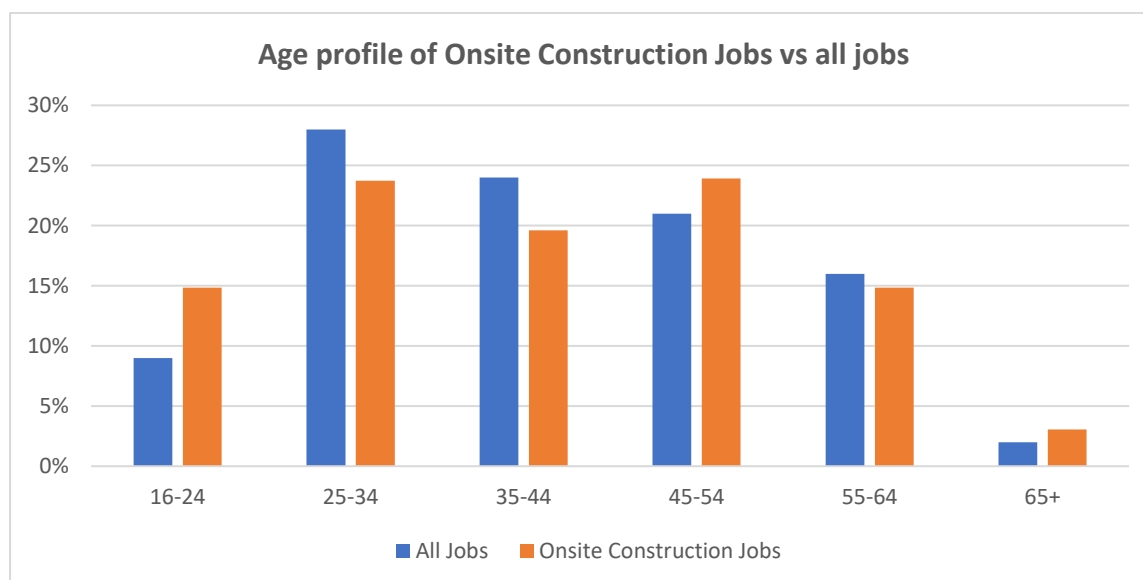
Assemblers and Routine Operatives n.e.c.	982	£22,612
Scaffolders, Stagers and Riggers	356	£32,471
Road Construction Operatives	247	£26,588
Construction Operatives n.e.c.	1519	£21,756
Crane Drivers	176	£46,756
Mobile Machine Drivers and Operatives n.e.c.	622	£34,913
Elementary Construction Occupations	2124	£21,812
Source: EMSI Analyst		

Onsite Construction jobs in Cheshire and Warrington²

- In 2021, there were over 14k of these jobs in Cheshire and Warrington³.
- About 6k of these jobs were at Level 2, about 7k required qualifications at Level 3 and about 1k were at Level 4+.
- Over the next ten years, over a quarter of these jobs will need to be filled by new entrants because of retirements and similar.
- Many of these jobs are at medium to high risk of automation in the future.
- There are slightly fewer of jobs like this in Cheshire and Warrington than would be expected from the national average.

Age profile of Onsite Construction jobs

The age profile of employees in the Onsite Construction pathway has a higher proportion of young people in it than is the case for all jobs.



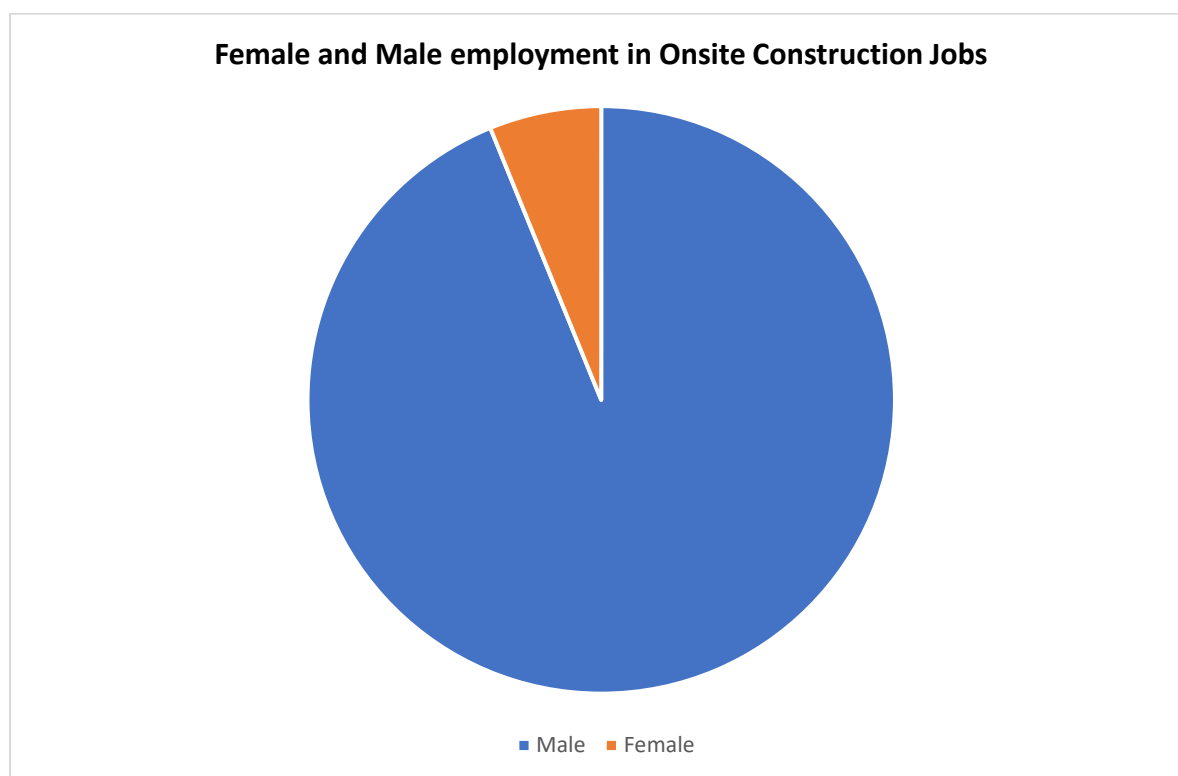
Source: EMSI Analyst

² For mapping of the Institute for Apprenticeships and Technical Education (IFATE) Onsite Construction pathway to 4-digit SOC codes see Annex 2.

³ Data in this section from EMSI Analyst.



Gender profile of Onsite Construction Jobs



Source: EMSI Analyst

Job postings⁴

- In the last five years, there have been about 8k unique job postings for this type of job in C&W (excluding staffing companies) with about 3k in Cheshire West and Chester, 3k in Cheshire East, and 2k in Warrington.
- These jobs were mainly advertised in Warrington (1,905); Chester (1,259); Crewe (792); Northwich (781); Ellesmere Port (454); Macclesfield (452); Sandbach (243); Congleton (220); Nantwich (219); and Winsford (212).
- The average number of times a role like this gets advertised in Cheshire and Warrington has stayed at about 4 between 2016 and 2021.
- Top recruiters in Cheshire and Warrington (excluding staffing agencies) include Bromak Ltd; BRS Limited; Integra; P&M Resources Ltd; Checktrade; Heeney Civils Ltd; Kalcrest Limited; and Galliford Try Plc.
- The most frequently advertised job titles in Cheshire and Warrington are for CSCS Labourers; Bricklayers; Site Managers; Groundworkers; Decorative Painters; Carpenters; Assistant Site Managers; and General Laborers.

⁴ All data in this section and the next is from EMSI Analyst.

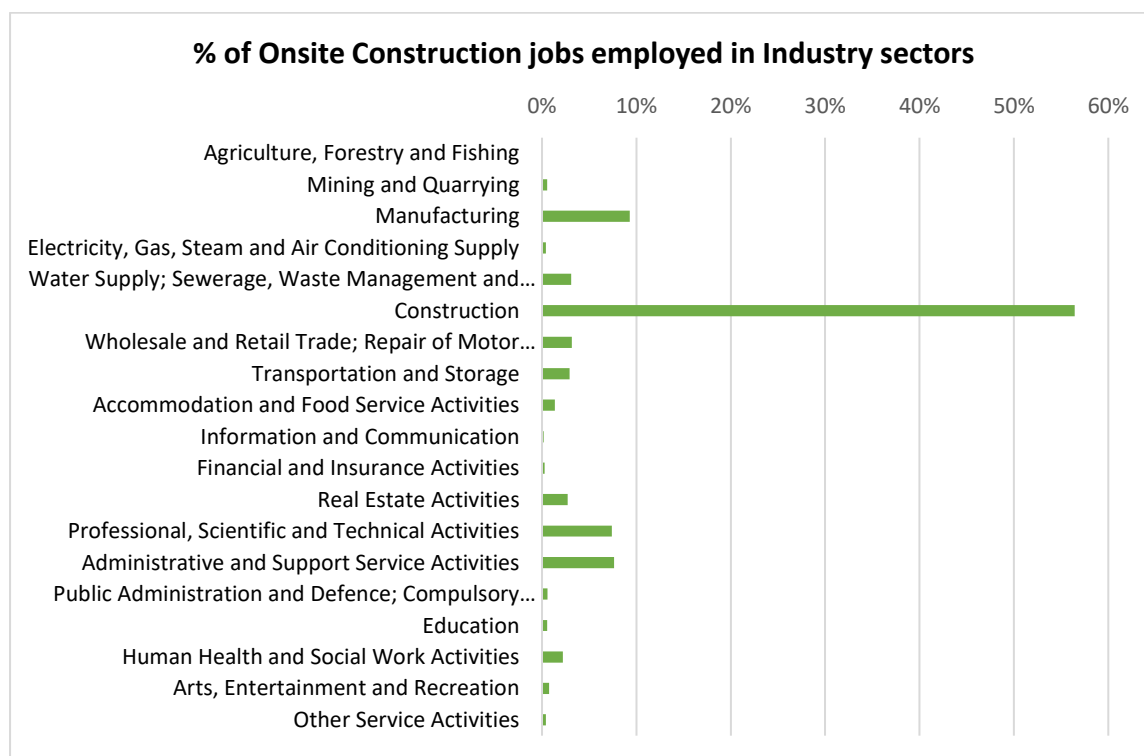


Hard Skills sought by employers

Hard skills sought by employers for Onsite Construction Jobs in C&W	
Skill	Frequency in Postings
Personal Protective Equipment	11%
Painting	7%
Carpentry	4%
Plumbing	4%
Civil Engineering	4%
Subcontracting	3%
Risk Analysis	3%
Roofing	3%
Decorating	3%
Auditing	3%
Environment Health And Safety	3%
Plastering	2%
Construction Management	2%
Key Performance Indicators (KPIs)	2%
Customer Satisfaction	2%
Tiling	1%
Asbestos Awareness	1%
Furnishing	1%
Power Tool Operation	1%
Procurement	1%

Source: EMSI Analyst

Which industry sectors in Cheshire and Warrington employ people in Onsite Construction jobs?



Source: EMSI Analyst



Apprenticeships

In the past five years, there have been 270 apprenticeships advertised in Onsite Construction occupations in Cheshire and Warrington. These opportunities have been available across Cheshire and Warrington with more than 20 being available in each of Macclesfield, Warrington, Chester, Northwich and Crewe over this time.

In the academic year 2019/20, 212 residents of Cheshire and Warrington started an apprenticeship in Onsite Construction occupations. Most of these apprenticeships were at Level 2. The Level 2 Construction Skills apprenticeship had the most starts.

Onsite Construction occupations Apprenticeship starts by C&W residents 2019-20			
	Level 2	Level 3	Grand Total
Advanced Carpentry and Joinery		14	14
Bricklayer	26		26
Carpentry and Joinery	59		59
Construction Skills	69	38	107
Floorlayer	1		1
Industrial Coatings Applicator	2		2
Scaffolder	3		3
<i>Source: ESFA Localities data cube 2019-20 (residency)</i>			

College Courses

The most popular courses with young people in Cheshire and Warrington in the 2019/20 academic year that fed into Onsite Construction occupations were the Diplomas in Carpentry and Joinery and the Diplomas in Bricklaying. Three quarters of Onsite Construction learning aims started by young people were below Level 2.

Onsite Construction 16-18 learning aim starts >20 by C&W residents in 2019/20				
	Below Level 2	Level 2	Level 3	Grand Total
Award in Construction skills (Bricklaying)	26			26
Award in Construction Skills (Carpentry and Joinery)	28			28
Diploma in Bricklaying	109	40	7	156
Diploma in Bricklaying (Construction)	19	8	7	34
Diploma in Carpentry and Joinery	122			122
Diploma in Carpentry and Joinery (Construction)	40			40
Diploma in Construction Skills	30			30
Diploma in Painting and Decorating	17	3		20
Diploma in Site Carpentry		51	15	66
<i>Source: ESFA Localities data cube 2019-20 (residency)</i>				

There were 2 learning aims with more than 20 starts by Cheshire and Warrington residents aged 19 and over in academic year 2019/20. They were the Award in Construction Crafts and the Diploma in Carpentry and Joinery, both of which are below Level 2.



Annex 1: Construction – Onsite Construction Pathway

Construction – Onsite Construction Pathway			
Technical Occupations			
<p>Construction Operative/Supervisor Use of heavy plant and equipment on surface construction sites and also specialist sites e.g. highways, tunnelling. Also the ability to undertake specialist construction work e.g. handling insulation, asbestos. Interprets drawings, plans and specifications along with methods and risk statement</p> <p>Asbestos Removal Operative</p> <p>Commercial Thermal Insulation Operative (L2)</p> <p>Construction Plant Operative (L2)</p> <p>Demolition Operative (L2)</p> <p>Highways Maintenance Skilled Operative (L2)</p> <p>Highways Maintenance Supervisor</p> <p>Hire Controller (Plant, Tools & Equipment) (L2)</p> <p>Industrial Coatings Applicator (L2)</p> <p>Industrial Thermal Insulation Technician (L3)</p> <p>Mastic Asphalter (L2)</p> <p>Road Surfacing Operative (L2)</p> <p>Steeplejack</p> <p>Tramway Construction Operative (L2)</p> <p>Tunnelling Operative (L2)</p>	<p>Construction Specialist Operative/Technician Prepare and operate specialist on-site plant and equipment, which could include lifting, pile driving, and pipe laying</p> <p>Damp Control & Timber Preservation Operative (L2)</p> <p>Engineering Construction Erector Rigger (L3)</p> <ul style="list-style-type: none"> • Engineering Construction Erector • Engineering Construction Rigger <p>Engineering Construction Pipe fitter (L3)</p> <p>Fall Protection Technician (L3)</p> <p>Groundworker (L2)</p> <p>Lifting Technician (L2)</p> <ul style="list-style-type: none"> • Crawler Crane Operator • Mobile Crane Operator <p>Tower Crane Operator</p> <p>Piling Attendant (L2)</p> <p>Scaffolder (L2)</p>	<p>Core Building Tradesperson Able to use of a range of building materials (wood, brick, block, stone etc.) to construct part/ whole structures and also those which are needed to finish a structure (e.g. paint and decorate). Work across domestic through to infrastructure projects and covers both routine and complex work elements. Interprets drawings, contracts, and specifications. Has knowledge of building methods and materials including heritage ones and knowledge of appropriate regulations.</p> <p>Advanced Carpentry & Joinery (L3)</p> <ul style="list-style-type: none"> • Advanced Architectural Joiner • Advanced Site Carpenter <p>Bricklayer (L2)</p> <p>Carpentry & Joinery (L2)</p> <p>Construction Assembly Technician (L2)</p> <ul style="list-style-type: none"> • Permanent Modular Buildings • Pre-cast Concrete • Relocatable Modular and Portable Buildings • Timber Frame <p>Curtain Wall Installer (L3)</p> <p>Fencing Installer (L2)</p> <p>Fenestration Installer (L2)</p> <p>Floor layer (L2)</p> <p>Formworker (L2)</p> <p>In Situ Flooring Operative</p> <p>Interior Systems (L2)</p> <ul style="list-style-type: none"> • Drylining Systems • Suspended Ceiling & Partitioning Systems <p>Military Engineering Construction Technician</p> <ul style="list-style-type: none"> • Bricklayer & Concreter • Building & Structural Finisher • Carpenter & Joiner <p>Painter & Decorator (L2)</p> <p>Plasterer (L2)</p> <ul style="list-style-type: none"> • Fibrous/Solid Plastering <p>Roofer (L2)</p> <ul style="list-style-type: none"> • Roof Sheeter & Cladder • Roof Slater & Tiler • Waterproof Membranes Installer <p>Stonemason (L2)</p> <ul style="list-style-type: none"> • Banker/Heritage/Memorial Stonemason • Stone Facade Preservation • Stone Fixer Exteriors • Stone Fixer Interiors <p>Thatcher (L2)</p>	<p>Metal and Steel Operative Fabricate, assemble and erect steel components for on-site building projects. Interprets drawings, plans, specifications and other information. Also has additional capability as regards access and lifting of components</p> <p>Metal Decking Installer</p> <p>Steel Fixer (L2)</p> <p>Structural Steelwork Erector (L2)</p> <p>Structural Steelwork Fabricator (L2)</p>



		Wall & Floor Tiler (L2)	
Higher Technical Occupations			
Construction Site Supervisor			
Decide on construction methods and materials, project management approach and systems, quality monitoring, cost and resource management			
Construction Contracts Manager			
Construction Site Supervisor (L4)			
Professional Occupations			
Construction Professional			
Manage whole building projects covering HSE, quality, commercial and legal contracts, problem solving and finding innovative solutions			
Construction Site Management (degree) (L6)			



Annex 2 Mapping of SOC 2010 codes to the Construction - Onsite Construction Pathway

There is no simple mapping of the IFATE Occupational Maps to 4-digit SOC codes. The codes below will contain the occupations included in the Construction - Onsite Construction Pathway but may also include others.

SOC Code	Occupation Description
1122	Production managers and directors in construction
2436	Construction project managers and related professionals
5311	Steel erectors
5312	Bricklayers and masons
5313	Roofers, roof tilers and slaters
5315	Carpenters and joiners
5319	Construction and building trades n.e.c.
5321	Plasterers
5322	Floorers and wall tilers
5323	Painters and decorators
5330	Construction and building trades supervisors
8139	Assemblers and routine operatives n.e.c.
8141	Scaffolders, staggers and riggers
8142	Road construction operatives
8149	Construction operatives n.e.c.
8221	Crane drivers
8229	Mobile machine drivers and operatives n.e.c.
9120	Elementary construction occupations

