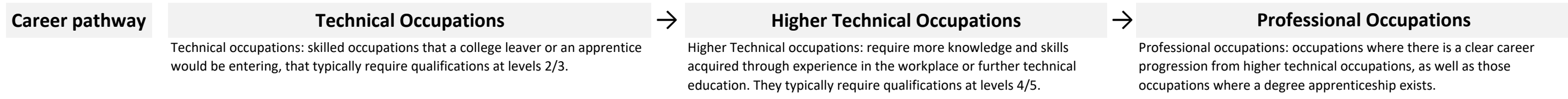


# Occupational Map: Construction

This is one of 15 occupational maps that group together occupations that require similar knowledge, skills and behaviours. Career pathways and occupational clusters have been used to provide further grouping of occupations, with the pathways indicating options for likely career progression. Every apprenticeship standard has been captured, as well as other skilled occupations where there is a substantial requirement for technical knowledge and practical skills. This map contains a large number of occupations that have been split into three career pathways: Design, Surveying and Planning; Onsite Construction; and Building Services Engineering. The Construction Operative/Supervisor, Metal and Steel Operative and Construction Specialist Operative/Technician clusters have been identified as suitable for learning via apprenticeships only, so government does not intend to launch T levels for these.

**Occupations in green:** Standard approved for delivery  
**Occupations in amber:** Standard published  
**Occupations in red:** Standard in development  
**Occupations in black:** Standard awaiting development  
**The number shown in brackets ( ) is the level of the apprenticeship (if known)**



[Click here for more information on the occupations listed in this map](#)

Design, Surveying and Planning	Technical Occupations	Higher Technical Occupations	Professional Occupations
	<p><b>Cluster: Design and Surveying Technician</b>  <i>Design, analyse, plan for site engineering and construction projects. Specialisms are common (e.g. rail infrastructure, asbestos management). Significant capability in the use of IT/digital technology, data collection, analysis and presentation.</i></p> <p>Asbestos Analyst/Surveyor (3)                      Building Services Design Technician (3)                      Civil Engineering Technician (3)                      Digital Engineering Technician (3)                      Fall Protection Technician (2)                      Geospatial Survey Technician (3)                      Railway Engineering Design Technician (3)                      Surveying Technician (3)</p>	<p><b>Cluster: Design and Surveying Advanced Technician</b>  <i>Identify and monitor client requirements, H&amp;S risks, regulatory compliance, environmental impact, build quality, co-ordinate information and manage build costs.</i></p> <p>Acoustics Technician (4)                      Construction Design &amp; Build Technician (4)                      Construction Site Engineering Technician (4)                      Construction Surveying Technician (4)                      Landscape Assistant (4)</p>	<p><b>Cluster: Design and Surveying Professional</b>  <i>Building/structure design, research, commercial cost management, contracts management with a wide range of knowledge of current technology developments and options, contracts, procurement and tracking. Consults with clients to determine functional and spatial requirements of new or renovated structures.</i></p> <p>Architect (degree) (7)                      Architectural Assistant (degree) (6)                      Building Control Surveyor (degree) (6)                      Building Services Design Engineer (6)                      Chartered Building Services Design Engineer (6)                      Chartered Surveyor (degree) (6)                      Chartered Town Planner (degree) (7)                      Civil Engineer (degree) (6)                      Civil Engineering Site Management (degree) (6)                      Construction Design Management (degree) (6)                      Construction Quantity Surveyor (degree) (6)                      Geospatial Mapping &amp; Science (degree) (6)                      Landscape Professional (7)</p>

Onsite Construction	Technical Occupations	Higher Technical Occupations	Professional Occupations
	<p><b>Cluster: Core Building Tradesperson</b>  <i>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.</i></p> <p>Advanced Carpentry &amp; Joinery (3):</p>	<p><b>Cluster: Construction Site Supervisor</b>  <i>Decide on construction methods and materials, project management approach and systems, quality monitoring, cost and resource management.</i></p> <p>BEMS (Building Energy Management Systems)</p>	<p><b>Cluster: Construction Professional</b>  <i>Manage whole building projects covering HSE, quality, commercial and legal contracts, problem solving and finding innovative solutions.</i></p> <p>Construction Site Management (6)</p>

- Advanced Architectural Joiner
- Advanced Site Carpenter

**Bricklayer (2)**

**Carpentry & Joinery (2):**

- Architectural Joiner
- Site Carpenter

**Construction Assembly Technician (2)**

**Curtain Wall Installer (3)**

**Fenestration Installer (2)**

**Fencing Installer (2)**

**Fitted Interiors & Multi Skilled Maintenance Operative (2)**

**Floorlayer (2)**

**Formworker (2)**

**Heritage Carpenter & Joiner (2)**

**In Situ Flooring Operative (2)**

**Interior Systems (2)**

**Mastic Asphalter (3)**

**Military Engineering Construction Technician (3):**

- Bricklayer & Concreter
- Building & Structural Finisher
- Carpenter & Joiner

**Painter & Decorator (2)**

**Plasterer (3):**

- Fibrous Plastering
- Solid Plastering

**Roofer (2)**

**Steeplejack (2)**

**Thatcher**

**Wall & Floor Tiler (2)**

**Controls Engineer (4)**

**Construction Contracts Manager**

**Construction Site Supervisor (4)**

**Cluster: Construction Operative/Supervisor**

**APPRENTICESHIP ONLY**

*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*

**Asbestos Removal Operative (2)**

**Construction Equipment Operative**

**Commercial Thermal Insulation Operative (2)**

**Demolition Operative (2)**

**Highways Maintenance Skilled Operative (2)**

**Highways Maintenance Supervisor (3)**

**Hire Controller (Plant, Tools & Equipment) (2)**

**Industrial Coatings Applicator (2)**

**Industrial Thermal Insulation Technician (3)**

**Road Surfacing Operative (2)**

**Tramway (Light Rail) Construction & Renewals Operative (2)**

**Tunnelling Operative (2)**

**Cluster: Metal and Steel Operative****APPRENTICESHIP ONLY**

*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*

**Metal Decking Installer**

Scaffolder (2)

Steel Fixer (2)

Structural Steelwork Erector (2)

Structural Steelwork Fabricator (2)

**Cluster: Construction Specialist Operative/Technician****APPRENTICESHIP ONLY**

*Prepare and operate specialist on-site plant and equipment for lifting, pile driving, and pipe laying.*

Engineering Construction Erector/Rigger (3)

Engineering Construction Pipefitter (3)

Groundworker (2)

Lifting Technician (2):

- Crawler Crane Technician
- Mobile Crane Technician
- Tower Crane Technician

Piling Attendant (2)

Specialist Damp &amp; Timber Operative (2)

**Building Services Engineering****Cluster: Building Services Engineering Operative/Technician**

*Design, plan, assemble, install, house, commission, test, maintain, service and repair of all forms of a buildings' emergency, security and utility systems.*

Building Services Engineering Craftsperson (3)

Building Services Engineering Ductwork Craftsperson (3)

Building Services Engineering Ductwork Installer (2)

Building Services Engineering Installer (2)

Building Services Engineering Service &amp; Maintenance Engineer (3)

Building Services Engineering Ventilation Hygiene Technician (3)

Dual Fuel Smart Meter Installer (2)

Electrical, Electronic Product Service &amp; Installation Engineer (3)

Fire, Emergency &amp; Security Systems Technician (3):

- Fire
- Fire & Emergency Lighting
- Fire & Security
- Security

Gas Engineering (3)

Installation Electrician/Maintenance Electrician (3)

**Cluster: Building Services Engineering Technician**

*Design and supervise the installation of building services during construction.*

Building Services Engineering Technician (4)

**Cluster: Building Services Engineering Professional**

*Design and install buildings service systems based on agreed client specification undertaken during a building's construction.*

Building Services Engineering Site Management (degree) (6)

**Plumbing & Domestic Heating Technician (3):**

- Environmental Technologies
- Fossil Fuel - Natural Gas
- Fossil Fuel - Oil
- Fossil Fuel - Solid Fuel

**Powered Pedestrian Door Installer & Service Engineer (2)**

**Refrigeration, Air Conditioning & Heat Pump Engineering Technician (3)**

**Smart Home Technician (2)**

**Cluster: Utilities Installation and Maintenance Operative/Technician**

*Install, exchange, commission and maintain metering systems, appliances, lighting and other road-based utilities.*

**Highway Electrical Maintenance & Installation Operative (2)**

**Highway Electrician/Service Operative (3)**

**Wireless Communications Rigger (2)**

**Cluster: Facilities Management Operative/Supervisor**

*Manage and maintain (planned and reactive) a building's mechanisms and systems across electrical, plumbing, plant, safety systems and other equipment.*

**Facilities Services Operative (2)**

**Facilities Management Supervisor (3)**

**Junior Energy Manager (3)**

**Multi Skilled Maintenance & Repair Operative**

**Property Maintenance Operative (2)**

**Cluster: Facilities Manager**

*Manage the services for a building including maintenance and repair.*

**Facilities Manager (4)**

**Cluster: Facilities Management Professional**

*Manage the services for a group of buildings or an estate along with their on-going improvement and maintenance of their services.*

**Senior/Head Of Facilities Management (degree) (6)**

