

# apprenticeship FRAMEWORK

## Construction Technical (Level 3) (Wales)

### IMPORTANT NOTIFICATION FOR ALL APPRENTICESHIP STARTS FROM 14 OCTOBER 2016

Modifications to SASW came into effect on 14 October 2016. These changes relate to the **Essential Skills and Employer Rights and Responsibilities** requirements of a framework and they **ONLY** apply to new Apprenticeship starts on, or after, 14th October. Apprenticeship starts before this date must continue to meet the 2013 SASW requirements for Essential Skills and Employer Rights and Responsibilities.

For more details of the changes and how they will affect new apprenticeship starts, please read the following preface page to the framework document. NB: Please check the "Revising a Framework" section for information on any additional changes that may have been made to this framework.

### Latest framework version?

For any previous versions of this framework: [www.acwcerts.co.uk/framework\\_library](http://www.acwcerts.co.uk/framework_library)

Issue date: 07/02/2020

Published By

CITB

Apprenticeship Certification  
Wales

<https://acwcerts.co.uk/web/>

Document Status:

Issued

# Construction Technical (Level 3) (Wales)

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Issue number: 36	<b>This framework includes:</b>
Framework ID: FR05012	Level 2 <input type="checkbox"/> Level 3 <input checked="" type="checkbox"/> Level 4-7 <input type="checkbox"/>
Date this framework is to be reviewed by: 29/10/2020	<b>This framework is for use in: Wales</b>

### Short description

The construction industry has had for many years an Apprenticeship programme covering technical occupations. This framework will help to attract, retain, and develop talent into a range of technical occupations at Apprenticeship (Level 3) and provide the industry with a well-trained productive workforce.

# Contact information

## Proposer of this framework

This framework is published by CITB

### Proposer of the Framework

The proposers for the pathways within the Construction Technical Framework are the following Awarding Organisations (AO): Cskills Awards, City & Guilds, Pearson Education Ltd, CITB policy is to work with all proposers of the apprenticeship framework to ensure that the qualifications included in the frameworks meet both employer and SASW requirements.

The guidelines produced by CITB have identified that to gain support for their Apprenticeship Frameworks proposers must provide the following information: rationale, support from the sector employers, take-up figures and operational dates.

All of the proposers of the framework have completed the mandatory AO Qualification Support Application Section 3 (supplied by CITB) which requires the proposer to provide a summary of their overall approach to employer engagement, names of employers, industry representatives or Associations/Federations that have been consulted in the development of the current framework.

All of this information is then considered by CITB to ascertain whether the qualifications are suitable for inclusion/revision before entry onto the AFO. The proposer will then be informed of the outcome and whether further information is required, if compliant the details will be included into the draft framework prior to uploading to the AFO.

Details of the AO Qualification Support Application and Section 3 can be requested at [standards.qualifications@citb.co.uk](mailto:standards.qualifications@citb.co.uk)

## Developer of this framework

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# Revising a framework

## Why this framework is being revised

Expiry of qualifications.

## Summary of changes made to this framework

### Qualifications removed

Pathway 2

500/5534/3 Pearson Edexcel Level 3 Diploma in Civil Engineering

Pathway 4

600/2836/1 SQA Level 3 Diploma in Occupational Work Supervision (Construction)

**Qualifications added**

|

**Qualifications that have been extended**

# Purpose of this framework

## Summary of the purpose of the framework

### **CITB- Apprenticeship Definition as defined by the Construction Industry**

#### Definition

An apprenticeship in construction is a form of vocational training whereby the apprentice follows a CITB approved framework to develop skills and knowledge, and who would then demonstrate and evidence their application in a construction environment. To complete a Construction Apprenticeship, the apprentice must have been employed during the apprenticeship, have evidenced competence in the specified range of vocational skills and have an employed status at the time of completion.

#### Stakeholders

The core participants involved in a Construction Apprenticeship are:

- Employer – the primary provider of learning in the workplace, and supports the apprentice through mentoring, learning and payment of wages
- Apprentice – contributes to the productivity of the employer and undertakes the requisite learning
- Training provider – provides off-site tuition and administrative support to both the employer and apprentice. (Training providers can include colleges, training centres, manufacturers, suppliers, and some employers.)
- Government – provides a financial contribution to the training costs of the apprenticeship
- Managing agent – sets up and monitors the apprenticeship and obtains and distributes the government funding. The managing agent can also be the training provider or the employer. (Apprentices can choose not to have a managing agent.)

Construction is worth 6% of Wales GVA and output is worth around £6 billion. There are 13,500 construction businesses in Wales (12.7% of all Welsh businesses, only wholesale and retail 14.9% and agriculture 13.1% are bigger). 99.9% of construction firms headquartered in Wales are SME's (only 5 of the 13,500 have more than 250 employees).

There are 112,500 employees in construction in Wales in year 2022, The following is the annual recruitment for Construction Technical, Supervision and Management for the period 2022-26. Occupations such as Construction Project Managers; Civil engineering professionals, Architects and Surveyors will show the highest levels of demand for new workers.

- Construction professionals and technical staff (-+)
- Construction Trade Supervisors (-+)
- Construction Managers (-+)
- Surveyors +500



... Higher Apprenticeship in Construction Management Level 4, 5 and 6 (Wales)

- Architects +200
- Civil Engineers (Professional) +20

The priorities for the sector for 2021 to 2025 are to:

- Make Construction a priority sector in Covid recovery and reconstruction.
- Support Apprentices to complete their training and minimize falling apprenticeship numbers after Covid.
- Help to get more college students into Construction jobs and Apprenticeships.
- Provide certainty on the infrastructure and housing pipelines.

An Apprenticeship in construction follows a pattern of vocational training to meet the requirements of a CITB approved framework. This enables them to develop skills and knowledge which they can then demonstrate and evidence in a real construction environment.

The apprenticeship (Level 3) in Technical has been meeting the needs of employers since the mid 1990's. This apprenticeship has been developed to help meet the skills priorities of the industry and for Wales by:

- continuing to provide qualifications required by employers to help their business grow
- to provide a career pathway to supervisory and management levels
- meeting the requirements of the Specification of Apprenticeship Standards for Wales (SASW)
- by incorporating Essential Skills Wales at level 2 thereby improving the levels of basic literacy and numeracy skills in the workforce
- wider Key Skills
- providing qualifications for competence and knowledge, approved by employers to meet the skills mix they require
- providing progress pathways from Apprenticeship (level 3) to Higher (level 4 and above)
- addressing skills gaps and shortages in priority sectors in Wales such as the under representation of women and ethnic minorities

#### Technical Apprenticeship (Level 3)

- Pathway 1: Built Environment and Design
- Pathway 2: Construction Contracting Operations
- Pathway 3: Civil Engineering for Technicians
- Pathway 4: Occupational Work Supervision

## Aims and objectives of this framework (Wales)

The aim of this framework is to attract, retain and develop talent into a range of Technical occupations at Apprenticeship (level 3) in Construction Technical and provide progression to supervisory and management level to provide the industry with a well-trained productive workforce.

- Attract new people from a range of diverse backgrounds into Construction Technical to broaden the industry talent pool in Wales.
- To provide broad-based training for a range of technical occupations in Construction Technical in order to retain staff and increase productivity.
- To provide a structured career path for apprenticeship occupations to progress to higher level jobs using further and higher education

# Entry conditions for this framework

## Entry Conditions for this framework

There are a variety of ways to enter an apprenticeship in Construction Technical at Apprenticeship (Level 3) for example:

- Candidates must have employed status at the start and finish of the apprenticeship
- Welsh Baccalaureate
- A Levels and GCSEs
- Essential Skills Wales Application of Number and Communication or any of the Wider Key Skills
- Foundation (Level 2) Apprenticeship

All candidates must have a suitable level of physical fitness to perform aspects of the job (e.g. working out-doors in all seasonal weather conditions this could also be at height or below ground).

## **RULES TO AVOID REPEATING QUALIFICATIONS**

Technical Apprenticeships (Level 3): Where Essential Skills qualifications are specified in an apprenticeship framework at (Level 3), the apprenticeship framework must specify as a Welsh certificate requirement, the acceptance of one of the following recognised proxy qualifications.

### **For Communication:**

- GCSE or qualification in English/Welsh language or literature to at least grade C (Level 2 equivalent); or
- Level Qualification in English/Welsh language or literature to at least grade C; or
- A/AS Level qualification in English/Welsh or literature to at least grade E; or
- SCQF Level 5 – Communication Core Skills (Oral communication and written communication); or
- SQA National 5 English; or
- Functional Skills or Key Skills literacy qualifications in English provided the proxy qualification(s) attained is at Level 2 or above.

### **For Application of Number:**

- GCSE qualification in Mathematics to at least grade C (Level 2 equivalent); or
- Level Qualification in Mathematics to at least grade C; or
- A/AS Level qualification in Mathematics to at least grade E; or
- SCQF Level 5 – Numeracy Core Skill (Graphical information and using number); or
- SQA National 5 Mathematics; or Functional Skills or Key Skills numeracy qualifications in Mathematics provided the proxy qualification(s) attained are at Level 2 or above

### **Knowledge qualifications.**

If applicants already have one of the Level 3 or above Knowledge qualifications before they started their Apprenticeship, (see knowledge qualifications page in this framework) they can count this and do not have to redo the qualification, providing that they have achieved this qualification within 3 years of applying for the apprenticeship certificate. The hours they spent gaining this qualification will also count towards the minimum hours required for this framework.

### **Competence qualifications:**

If applicants already have the competence qualification from the Higher Apprenticeship (Level 4 and above) for this apprenticeship framework (see the 'Qualifications' page for each pathway) they cannot use the competence qualification as a component part of this apprenticeship; competence qualifications must be achieved as part of the apprenticeship. Prior experience. Applicants already working in the sector will be able to have their prior experience recognised by the Awarding Organisation and this will count towards the competence and the knowledge qualifications in this framework.

### **Initial Assessment**

Training providers and employers will use initial assessment to ensure that applicants have a fair opportunity to demonstrate their ability and to tailor programmes to meet individual needs, recognising prior qualifications and experience.

Apprentices following this framework can expect to be continually assessed to gauge their suitability for progression to a Higher Apprenticeship (Level 4 or above). In some occupational areas apprentices would be expected to work at height and outside in all weather conditions. They could also be expected to travel to sites, or in some cases, stay in lodgings whilst working away from home.

# Level 3

Title for this framework at level 3

## Apprenticeship in Construction Technical

Pathways for the framework at level 3:

- |            |                                     |
|------------|-------------------------------------|
| Pathway 1: | Built Environment and Design        |
| Pathway 2: | Construction Contracting Operations |
| Pathway 3: | Civil Engineering for Technicians   |
| Pathway 4: | Occupational Work Supervision       |

# Level 3, Pathway 1: Built Environment and Design

## Description of this pathway

Description of this pathway

Construction Technical and Professional: Construction Built Environment and Design

Total minimum credit value for this pathway is: 186 credits

102 credits for competence

72 credits for knowledge

12 credits for Essential Skills

## Entry requirements for this pathway in addition to the framework entry requirements

N/A

Job title(s)	Job role(s)
Construction Design Technician	Producing detailed design solutions to achieve optimum functionality, energy efficiency and performance of built environment projects. Producing drawings and presentations using computer aided design software and sketches, electronic visualisations and models



# Qualifications

## Competence qualifications available to this pathway

### C1 – Level 3 NVQ Diploma Built Environment Design

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C1a	601/2668/1	Edexcel	102	470	X

## Knowledge qualifications available to this pathway

### K1 – Pearson BTEC Level 3 National Diploma in Construction and the Built Environment

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K1a	603/0864/3	Pearson	72	720	N/A

## Combined qualifications available to this pathway

N/A

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## Relationship between competence and knowledge qualifications

C1 Level 3 NVQ Diploma in Built Environment and Design Credit 102 GLH 470 is underpinned by:

- BTEC Level 3 National Diploma in Construction and the Built Environment Credit 72 GLH 720 TQT 975

# Essential Skills

An apprenticeship framework must specify as a Welsh certificate requirement the expected achievement levels of Essential Skills in Communication and the Application of Number.

Where Essential Skills qualifications are specified in an apprenticeship framework, the apprenticeship framework must specify the acceptance of a recognised proxy qualification for Communication and Application of Number.

## Communication

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

**Does this framework require Communication achievement above the minimum SASW requirement?**    **YES**     **NO**

If YES, please state the grade/level required for English and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

## Application of Number

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

**Does this framework require Application of Number achievement above the minimum SASW requirement?**    **YES**     **NO**

If YES, please state the grade/level required for Maths and give a brief **REASON** as to why this is required:

|Enter alternative grade/level requirements and reasons here. |

### Inclusion of Digital Literacy (ICT)

Digital Literacy (ICT) is an **optional** framework requirement.

Is Digital Literacy a requirement in this framework?    **YES**     **NO**

# Progression routes into and from this pathway

## Progression into this pathway

This will be from a variety of routes, including:

- Welsh Baccalaureate
- Essential Skills Wales Application of Number and Communication or any of the wider Key Skills
- NVQ Level 1 in a construction occupation
- A Levels and GCSEs
- Foundation (Level 2) Apprenticeship
- Apprenticeship (Level 3)
- Modern Skills Diploma for Technicians

## Progression from this pathway

There will be a wide range of opportunities that apprentices can be involved with in a structured career path, such as Building, Civil Engineering and Specialist occupations. After gaining work experience in the chosen occupational area there will be progression into

- NVQ Level 4 Diploma in Construction Site Supervision
- NVQ Level 6 Diploma in Construction Contracting Operations
- NVQ Level 6 Diploma in Construction Site Management

Or

## HNC/HND

- Construction and the Built Environment
- Civil Engineering
- Building Services Engineering
- Construction
- Construction Management

#### Foundation Degree

- Construction and the Built Environment
- Civil Engineering
- Construction Management
- Conservation and Restoration
- Quantity Surveying
- Architecture/Design
- Architectural Technology
- Building Surveying

#### UCAS points for this pathway:

N/A

## Employee rights and responsibilities

Please note that for Apprenticeship starts from 14/10/2016 onwards ERR is no longer a **mandatory** requirement in all frameworks.

However, it may still be included in some frameworks and where it is not explicitly stated that ERR is not a requirement then confirmation of an Apprentice's ERR achievement will still remain a requirement for Apprenticeship certification purposes.

Is ERR a requirement for this framework?    **YES**        **NO**   

#### Delivery and assessment

N/A

# Level 3, Pathway 2: Construction Contracting Operations

## Description of this pathway

Description of this pathway

Construction Technical: Construction Contracting Operations

Total minimum credit value for this pathway is: 162 credits

90 credits for competence

72 credits for knowledge 12

credits for Essential Skills

## Entry requirements for this pathway in addition to the framework entry requirements

N/A

Job title(s)	Job role(s)
Site Technician	Working on a construction site carrying, Estimating, Buying, Planning, Technical Support



# Qualifications

## Competence qualifications available to this pathway

### C1 – Level 3 NVQ Diploma Construction Contracting Operations

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C1a	601/4140/2	Cskills Awards	90	300	N/A
C1b	601/2500/7	Pearson Edexcel	90	300	

## Knowledge qualifications available to this pathway

### K1 – Pearson BTEC Level 3 National Diploma in Construction and the Built Environment

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K1a	603/0864/3	Pearson	72	720	N/A

### K2 – Pearson BTEC Level 3 National Extended Diploma in Construction and the Built Environment

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K2a	603/0861/8	Pearson	108	1080	N/A

### Combined qualifications available to this pathway

N/A

### Relationship between competence and knowledge qualifications

C1a and C1b Level 3 NVQ Diploma in Construction Contracting Operations Credit 90 GLH 300 is underpinned by:

K1a Pearson BTEC Level 3 National Diploma in Construction and the Built Environment Credit 72 GLH 720

K2a Pearson BTEC Level 3 National Extended Diploma in Construction and the Built Environment Credit 108 GLH 1080

# Essential Skills

An apprenticeship framework must specify as a Welsh certificate requirement the expected achievement levels of Essential Skills in Communication and the Application of Number.

Where Essential Skills qualifications are specified in an apprenticeship framework, the apprenticeship framework must specify the acceptance of a recognised proxy qualification for Communication and Application of Number.

## Communication

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

**Does this framework require Communication achievement above the minimum SASW requirement?**    **YES**     **NO**

If YES, please state the grade/level required for English and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

## Application of Number

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

**Does this framework require Application of Number achievement above the minimum SASW requirement?**    **YES**     **NO**

If YES, please state the grade/level required for Maths and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

## Inclusion of Digital Literacy (ICT)

Digital Literacy (ICT) is an **optional** framework requirement.

Is Digital Literacy a requirement in this framework?    **YES**       **NO**  

# Progression routes into and from this pathway

Progression into this pathway

This will be from a variety of routes, including:

- Welsh Baccalaureate,
- Essential Skills Wales Application of Number and Communication or any of the wider Key Skills
- NVQ Level 1 in a construction occupation
- A Levels and GCSEs
- Foundation (Level 2) Apprenticeship
- Progression from this pathway

There will be a wide range of opportunities that apprentices can be involved with in a structured career path, such as Building, Civil Engineering and Specialist occupations. After gaining work experience in the chosen occupational area there will be progression into

- NVQ Level 4 Diploma in Construction Site Supervision
- NVQ Level 6 Diploma in Construction Contracting Operations
- NVQ Level 6 Diploma in Construction Site Management

Or

### HNC/HND

- Construction and the Built Environment
- Civil Engineering
- Building Services Engineering
- Construction
- Construction Management

### Foundation Degree

- Construction and the Built Environment
- Civil Engineering
- Construction Management
- Conservation and Restoration
- Quantity Surveying
- Architecture/Design
- Architectural Technology
- Building Surveying

### UCAS points for this pathway:

N/A

## Employee rights and responsibilities

Please note that for Apprenticeship starts from 14/10/2016 onwards ERR is no longer a **mandatory** requirement in all frameworks.

However, it may still be included in some frameworks and where it is not explicitly stated that ERR is not a requirement then confirmation of an Apprentice's ERR achievement will still remain a requirement for Apprenticeship certification purposes.

Is ERR a requirement for this framework?    **YES**        **NO**   

### Delivery and assessment

N/A

# Level 3, Pathway 3: Civil Engineering for Technicians

## Description of this pathway

Construction Technical and Professional: Civil Engineering for Technicians

Total minimum credit value for this pathway is: 202 credits

130 credits for competence

72 credits for knowledge

12 credits for Essential Skills

## Entry requirements for this pathway in addition to the framework entry requirements

N/A

<b>Job title(s)</b>	<b>Job role(s)</b>
Engineering Technician	Working on a construction site carrying out civil engineering tasks, developing and finalise civil engineering solutions, Health and Safety for civil engineers

# Qualifications

## Competence qualifications available to this pathway

### C1 – Level 3 Diploma in Civil Engineering for Technicians

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C1a	501/1115/2	Edexcel	130	390	N/A

## Knowledge qualifications available to this pathway

### K3 – Pearson BTEC Level 3 National Diploma in Civil Engineering

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K1a	603/1217/8	Pearson	72	720	N/A

## Combined qualifications available to this pathway

N/A



## Relationship between competence and knowledge qualifications

C1 Level 3 Diploma in Civil Engineering for Technicians (ICE) Credit 130 GLH 390 is underpinned by:

K1a BTEC Level 3 National Diploma in Civil Engineering Credit 72 GLH 720

## Essential Skills

An apprenticeship framework must specify as a Welsh certificate requirement the expected achievement levels of Essential Skills in Communication and the Application of Number.

Where Essential Skills qualifications are specified in an apprenticeship framework, the apprenticeship framework must specify the acceptance of a recognised proxy qualification for Communication and Application of Number.

### Communication

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

**Does this framework require Communication achievement above the minimum SASW requirement?**    **YES**     **NO**

If YES, please state the grade/level required for English and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

## Application of Number

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

**Does this framework require Application of Number achievement above the minimum SASW requirement?**    **YES**     **NO**

If YES, please state the grade/level required for Maths and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

## Inclusion of Digital Literacy (ICT)

Digital Literacy (ICT) is an **optional** framework requirement.

Is Digital Literacy a requirement in this framework?    **YES**        **NO**   

# Progression routes into and from this pathway

Progression into this pathway

This will be from a variety of routes, including:

- Welsh Baccalaureate
- Essential Skills Wales Application of Number and Communication or any of the wider

### Key Skills

- NVQ Level 1 in a construction occupation
- A Levels and GCSEs
- Foundation (Level 2) Apprenticeship

### Progression from this pathway

There will be a wide range of opportunities that apprentices can be involved with in a structured career path, such as Building, Civil Engineering and Specialist occupations. After gaining work experience in the chosen occupational area there will be progression into

- NVQ Level 6 Diploma in Construction Contracting Operations
- NVQ Level 6 Diploma in Construction Site Management

Or

### HNC/HND

- Construction and the Built Environment
- Civil Engineering
- Building Services Engineering
- Construction
- Construction Management

### Foundation Degree

- Construction and the Built Environment
- Civil Engineering
- Construction Management
- Conservation and Restoration
- Quantity Surveying
- Architecture/Design
- Architectural Technology
- Building Surveying

### UCAS points for this pathway:

N/A

# Employee rights and responsibilities

Please note that for Apprenticeship starts from 14/10/2016 onwards ERR is no longer a **mandatory** requirement in all frameworks.

However, it may still be included in some frameworks and where it is not explicitly stated that ERR is not a requirement then confirmation of an Apprentice's ERR achievement will still remain a requirement for Apprenticeship certification purposes.

Is ERR a requirement for this framework?    **YES**        **NO**   

## Delivery and assessment

N/A

# Level 3, Pathway 4: Occupational Work Supervision

## Description of this pathway

Construction Technical and Professional: Occupational Work Supervision

Total minimum credit value for this pathway is: 116 credits

67 credits for competence

37 credits for knowledge

12 credits for Essential Skills

## Entry requirements for this pathway in addition to the framework entry requirements

N/A

<b>Job title(s)</b>	<b>Job role(s)</b>
Work supervisor	Working on a construction site or in domestic and commercial premises, co-ordinating and organising work operations, managing work activities, confirming the occupational method of work, managing health and safety and developing good working relationships.

# Qualifications

## Competence qualifications available to this pathway

C1 – Level 3 NVQ Diploma in Occupational Work Supervision (Construction)					
No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C1a	603/3658/4	NOCN/Cskills Awards	89	287	N/A
C1b	601/1486/1	City & Guilds	67	224	N/A
C1c	603/4513/5	Pearson Edexcel	89	287	N/A

## Knowledge qualifications available to this pathway

K1 – Level 3 Diploma in Occupational Work Supervision (Construction)					
No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K1a	601/7593/X	NOCN	37	370	N/A

## Combined qualifications available to this pathway

N/A

## Relationship between competence and knowledge qualifications

C1a,b and c Level 3 NVQ Diploma in Occupational Work Supervision Credit 67-89 GLH 224-287 are underpinned by:

K1a NOCN Level 3 Diploma in Occupational Work Supervision(Construction)Credit 37 GLH 370



# Essential Skills

An apprenticeship framework must specify as a Welsh certificate requirement the expected achievement levels of Essential Skills in Communication and the Application of Number.

Where Essential Skills qualifications are specified in an apprenticeship framework, the apprenticeship framework must specify the acceptance of a recognised proxy qualification for Communication and Application of Number.

## Communication

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

**Does this framework require Communication achievement above the minimum SASW requirement?**    **YES**     **NO**

If YES, please state the grade/level required for English and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

## Application of Number

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

**Does this framework require Application of Number achievement above the minimum SASW requirement?**    **YES**     **NO**

If YES, please state the grade/level required for Maths and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

### Inclusion of Digital Literacy (ICT)

Digital Literacy (ICT) is an **optional** framework requirement.

Is Digital Literacy a requirement in this framework?    **YES**     **NO**

## Progression routes into and from this pathway

This will be from a variety of routes, including:

- Welsh Baccalaureate
- Essential Skills Wales Application of Number and Communication or any of the wider Key Skills
- NVQ Level 1 in a construction occupation
- A Levels and GCSEs
- Foundation (Level 2) Apprenticeship

Progression from this pathway

There will be a wide range of opportunities that apprentices can be involved with in a structured career path, such as building, civil engineering and specialist occupations. After gaining work experience in the chosen occupational area this apprenticeship will enable progression to:

- NVQ Level 4 Construction Site Supervision
- NVQ Level 6 Diploma in Construction Contracting Operations
- NVQ Level 6 Diploma in Construction Site Management

Or

#### HNC/HND

- Construction and the Built Environment
- Civil Engineering
- Building Services Engineering
- Construction
- Construction Management

#### Foundation Degree

- Construction and the Built Environment
- Civil Engineering
- Construction Management
- Conservation and Restoration
- Quantity Surveying
- Architecture/Design
- Architectural Technology
- Building Surveying
- Building Control

### UCAS points for this pathway:

N/A

## Employee rights and responsibilities

Please note that for Apprenticeship starts from 14/10/2016 onwards ERR is no longer a **mandatory** requirement in all frameworks.

However, it may still be included in some frameworks and where it is not explicitly stated that ERR is not a requirement then confirmation of an Apprentice's ERR achievement will still remain a requirement for Apprenticeship certification purposes.

Is ERR a requirement for this framework? **YES**  **NO**

### Delivery and assessment

N/A

*The remaining sections apply to all levels and pathways within this framework.*

## How equality and diversity will be met

The under-representation of women and ethnic minorities remains a priority issue for the industry. Labour force statistics show that when compared with the workforce, the sector remains amongst the most gender imbalanced in the economy.

Whilst the proportion of Black and Minority Ethnic (BME) workers in construction employment has gradually risen over the past decade to represent 5% of the construction workforce in England, this compares poorly with the wider working population.

### **CITB-responsibility as an industry leader**

We live in a diverse society that is multi-cultural and multi-lingual, where everyone is different and has something different to bring to society and the workplace. Construction is an industry which requires a variety of different skills and abilities and it is important that people from different backgrounds, life experiences and abilities are employed within the sector to enable us to achieve the high skill levels needed to be world leaders in the industry. CITB is working to attract and support the best qualified people to work in the sector.

As a partner organisation of the Sector Skills Council for the construction industry and an Industry Training Board we encourage construction companies to employ the best qualified person for the job regardless of age, disability, gender-reassignment, marriage or civil partnership, pregnancy and maternity, race, religion and belief, sex (gender), sexual orientation or socio-economic background. We will also challenge out-of-date practices and promote equality and the business case for diversity to construction companies by working with our partners and government.

In Wales, CITB will meet the requirements of the Welsh Language Act and provide services explained in the CITB's Welsh Language Scheme.

### **Good Practice for Learning Providers – Learner Monitoring**

Equality and diversity include social and educational inclusion and tackles equality of opportunity. This goes further than providing 'equal access' to participation. In practice this means all learning providers should:

- actively promote positive relationships and respect for both staff and learner
- understand and respect differences between people
- take positive action to tackle unlawful and unfair discrimination, inequality and unfairness
- adopt practices that make the best use of the differing skills and talents of individuals
- focus on improving outcomes that raise standards and improve lives.

The two operating principles for inspection and regulation activity relating to equality and diversity are:

- how effectively a provider is narrowing the achievement gap between different groups of people
- how effectively a provider actively promotes equality and diversity and tackles discrimination.

**This will be measured against how effectively:**

- the provider assesses the impact of its work in relation to equality and diversity and has taken appropriate action in response to its findings
- the provider ensures the effectiveness of training in equality and diversity so that leaders, managers, governors or supervisory bodies, staff and learners understand their roles in relation to equality and diversity.

**The minimum expected key evidence will be:**

- evidence of actions and impact relating to the two operating principles, giving due regard to all equality strands (protected characteristics)
- the effectiveness of staff training in equality and diversity (assessed through staff awareness and evidence in their work)
- how effectively the provider manages learner complaints
- the progress, development and performance of different groups of learners
- arrangements for consulting with users and stakeholders
- how outcomes of impact assessment have led to improvement.

**External 'Fairness, Respect and Inclusion' Leadership Strategy**

**Aim**

To lead the construction and built environment sector in improving its performance around Fairness, Respect and Inclusion so that the sector can actively promote equality of opportunity for everyone and attract and retain the quality people it needs from a diversity of backgrounds.

**Objectives**

- To challenge the sector as to how it can embrace fairness, respect, and inclusion
- To lead the fairness respect and inclusion agenda in the sector.
- To make the business case that fairness, respect and inclusion is good for business in terms of improving performance and saving costs.
- To help and support the sector in meeting the current and emerging legislation around Equality and Diversity.
- To identify, initiate and promote best practice across the sector.
- To provide accurate and authoritative LMI for the sector on equality and diversity and the protected characteristics.
- To ensure that fairness, respect, and inclusion are integrated into the CITB- IAG strategy, action plans, policies and procedures.
- To ensure that fairness respect and inclusion are integrated into the CITB- Qualification's strategy, action plans, policies, and procedures.
- To work in partnership with external groups.
- To develop products and services that will support the Fairness, Respect and Inclusion agenda in industry.
- To launch an equality standard for the sector.

CITB requirements of WBLP as stipulated by Welsh Language Scheme Services provided in English or Welsh will be of an equally high standard and equally prompt. When assessing and measuring the standards and effectiveness of its service in Welsh, CITB will employ the same "performance indicators" as those utilised with regard to its services in English.

Welsh language provision and the Welsh dimension, Estyn requirement 2.1.3 There will be considerable variation in the expectation of providers to meet learners' Welsh language needs. Providers should consider how well they meets the needs of learners who have Welsh as their first language and/or

undertaken their training either through the medium of Welsh or bilingually.

Providers should judge the extent to which they promote the development of learners' knowledge and understanding of the cultural, economic, environmental, historical and linguistic characteristics of Wales.

### **Welsh language, Estyn requirement 1.1.5**

In coming to an overall judgement on learners' Welsh language skills, providers should consider what it is reasonable to expect taking account of the linguistic background of learners, employers, and context of the area they serve.

Providers will need to consider the learners' starting point; and the progress that they make in relation to this; and learners in the context of the aims and policy of the provider in relation to its Welsh Language Scheme.

Consideration should be made to the proportion of learners who obtain qualifications through the medium of Welsh, where appropriate.

With regards to Welsh Language provision providers should strive to attain at least a good standard of provision through the Medium of Welsh as defined by Estyn.

# On and off the job training

## Summary of on-and off-the-job training

The total amount of on and off the job training for each pathway also includes 100 training hours for Essential Skills and ERR

### Apprenticeship (Level 3)

Construction Built Environment and Design 1290 training hours

Construction Contracting Operations (Extended Diploma) 1480 training hours

Construction Contracting Operations (Construction and the Built Environment) 1120 training hours

Construction Civil Engineering for Technicians 1210 training hours

Occupational Work Supervision 757 training hours for NOCN/CSkills Awards NVQ Diplomas and 694 training hours for City and Guilds NVQ Diploma

## Off-the-job training

Off-the-job training is defined as time for learning activities away from normal work duties. For this framework the amount of off-the-job training also includes 100 training hours for Essential Skills and ERR.

### Apprenticeship (Level 3)

BTEC Level 3 Diploma in Construction and the Built Environment 820 training hours

BTEC Level 3 National Diploma in Construction and the Built Environment 820 training hours

BTEC Level 3 Extended Diploma in Construction and the Built Environment 1180 training hours

BTEC Level 3 National Extended Diploma in Construction and the Built Environment 1180 training hours

Level 3 Diploma in Civil Engineering 1190 training hours

BTEC Level 3 National Diploma in Civil Engineering 820 training hours

Level 3 Diploma in Occupational Work Supervision 470 training hours

## How this requirement will be met

### How this will be met

Training hours delivered under an apprenticeship agreement may vary depending on the previous experience and attainment of the apprentice. The amount of off-the-job training required to complete the apprenticeship under the apprenticeship agreement may then be reduced accordingly, provided the total number of off-the-job hours for this framework can be verified for apprenticeship certification.

### Previous attainment

Where a learner enters an apprenticeship agreement having previously attained parts or all of the relevant qualifications, this prior learning needs to be recognised using either QCF credit transfer for achievements within the QCF; or through recording of exemptions for certificated learning outside of the QCF.

For apprentices who have already achieved the relevant qualifications, they must have been certificated within one year of applying for the Foundation Apprenticeship Certificate.

### Previous experience

Where a learner enters an apprenticeship agreement with previous work-related experience, this prior learning needs to be recognised [see QCF Guidance on Claiming Credit for further details]. To count towards apprenticeship certification, previous experience must be recorded using the appropriate Awarding Organisation's QCF Recognition of Prior Learning procedures and the hours recorded may then count towards the off-the-job hours required to complete the apprenticeship.



For apprentices with prior un-certificated learning experience, the off-the-job learning must have been acquired within one year of application for the Foundation Apprenticeship Certificate or have been continuously employed in the relevant job role within the industry for three years.

Off the job training needs to:

- be planned, reviewed, and evaluated jointly between the apprentice and a tutor, teacher, mentor or manager
- allow access as and when required by the apprentice either to a tutor, teacher, mentor or manager
- be delivered during contracted working hours
- be delivered through one or more of the following methods: individual and group teaching, e-learning, distance learning, coaching; mentoring, feedback, and assessment; collaborative/networked learning with peers, guided study and induction.

Off-the-job training must be formally recorded, either in a diary, workbook, portfolio, or be verified by attendance records. This evidence needs to be checked and signed by the assessor and the employer.

Additional guidance – for each pathway also includes 100 training hours for Essential Skills

Mentoring and appraisals are built into the training hours for each pathway

820 training hours – Construction Built Environment and Design apprentices will attend a training centre (on block or day release) to learn how to carry out surveying, drawings, design and assess tenders in a training environment.

1180 training hours – Construction Contracting Operations (Extended Diploma) apprentices will attend a training centre (on block or day release) to learn how to carry out estimating, Buying, Planning and Technical Support in a training environment.

1180 training hours – Construction Contracting Operations (Civil Engineering) apprentices will attend a training centre (on block or day release) to learn how to give technical support in Civil Engineering in a training environment.

820 training hours – Construction Contracting Operations (Diploma) apprentices will attend a training centre (on block or day release) to learn how to carry out estimating, Buying, Planning and Technical Support in a training environment.

820 training hours – Construction Civil Engineering for Technicians apprentices will attend a training centre (on block or day release) to learn carry out civil engineering tasks, health and safety, engineering solutions in a training environment.

470 training hours – Occupational Work Supervision apprentices will attend a training centre (on block or day release) to learn how to co-ordinate and plan work operations and understand occupational methods of work in a training environment.

### **Evidence of off the job training:**

Apprenticeship level (3)

- Level 3 Diploma/Certificate in the training qualification issued by an Awarding Organisation.
- Level 2 Certificates for Essential Skills Application of Number and Communication

### **On-the-job training**

On the job training is defined as skills, knowledge and competence gained within the normal working hours. For this framework, the amount of on-the-job is as follows Apprenticeship (Level 3)

A Level 3 NVQ Diploma in Built Environment Design. 470 hours  
A Cskills Awards Level 3 NVQ Diploma in Construction Contracting Operations 300 hours  
A Pearson Edexcel Level 3 NVQ Diploma in Construction Contracting Operations 300 hours  
A Level 3 Diploma in Civil Engineering for Technicians 390 hours  
A level 3 NVQ Diploma in Occupational Work Supervision 224 hours  
A Pearson Edexcel level 3 NVQ Diploma in Occupational Work Supervision 287 hours

### **How this requirement will be met**

How the on-the-job requirement will be met These hours may vary depending on previous experience and attainment of the apprentice. Where a learner enters an apprenticeship agreement, having previously attained or acquired the appropriate competencies or knowledge, this prior learning needs to be recognised and documented using the relevant QCF credit transfer, QCF exemption or recognition of prior learning (RPL) procedures (as off-the-job). The amount of on-the-job training required to complete the apprenticeship under the apprenticeship agreement may then be reduced accordingly, provided the total number of on-the-job hours for this framework can be verified for apprenticeship certification.

Apprentices who commence training under a new apprenticeship agreement with a new employer may bring a range of prior experience with them. When an apprentice can claim 50 hours or more towards the on-the-job framework total through prior learning acquired from previous full-time education, employment or other vocational programmes, then the apprentice's learning programme should include 'customisation'. Training providers are encouraged to identify additional on-the-job training programmes that customise the learning to the new workplace. Customisation programmes may include selecting appropriate additional unit(s) from QCF qualifications, or relevant units recognised as Quality Assured Lifelong Learning [QALL] through a CQFW recognised body or follow Essential Skills at a level higher than that specified in the framework, include one or more Wider Key Skills or other competency-based qualifications/units relevant to the workplace.

For apprentices who have already achieved the relevant qualifications, they must have been certificated within five years from the date of application for the Foundation Apprenticeship Certificate or have been continuously employed in the industry for three years.

Job roles within construction require a thorough level of technical competence and knowledge, which will be undertaken through work-based training, practice and experience.

How this will be evidenced:

On-the-job learning must be formally recorded, either in a diary, workbook, portfolio or be verified by attendance records. This evidence needs to be checked and signed by the work-based recorder, employer or training provider and quality assured by the Awarding Organisation (assessor/verifier). These records of hours may need to be submitted to the Certifying Authority when applying for an apprenticeship completion certificate.

### **Additional Guidance**

All apprentices are required to generate evidence in the workplace to complete the competence qualification over the period of the apprenticeship; this is achieved by the following.

- In the workplace, candidates bring evidence of completed tasks which are supported by a work based recorder; this evidence is discussed and agreed by the assessor (as a contribution to demonstrating

competence in the workplace).

- The generation of a work-based portfolio, either paper-based or electronic, can be accepted by the Awarding Organisations. When the apprentice has gathered all the work-based evidence that meets the requirements the assessor will sign off the competence qualification.
- The use of an onsite diary and site records generated by the candidate is acceptable for candidates undertaking the, Apprenticeship (Level 3) and Higher Apprenticeship (Level 4 and above)
- Evidence is generated throughout the apprenticeship period, allowing the candidate to have mentoring and assessment when tasks have been completed. Only a variety of work will generate enough evidence to support the qualification.

Evidence for on-the-Job Training at Apprenticeship (Level 3) and Higher Apprenticeship (Level 4 and above)

- NVQ Diploma or Certificate issued by an Awarding Organisation for the given occupational area
- A completion certificate will only be issued by Apprenticeship Certification Wales (ACW) when all component parts of the framework have been achieved and the required minimum time has been met and certificates from the Awarding Organisation have been issued and checked by the Certification Body (Sector Skills Council).

# Wider key skills assessment and recognition

While Wider Key Skills are not a **mandatory** part of the framework, training providers are encouraged to provide apprentices the opportunity to achieve them.

For this framework, there are natural opportunities for Wider Key Skills to be embedded within the mandatory units of the following qualifications:

N/A

## Improving own learning and performance

N/A

## Working with others

N/A

## Problem solving

N/A

# apprenticeship FRAMEWORK

For more information visit-  
[www.acwcerts.co.uk/framework\\_library](http://www.acwcerts.co.uk/framework_library)