

Qualification structure for the Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations (Construction) (QCF)

With effect from January 2012 this version of the structure replaces all previously published versions. The structure should be used by all learners registering for the qualification from this date. It should be read in conjunction with the specification on the website.

Amended or new units are marked with an asterix and are available on the website. Unchanged units are in the specification for this qualification.

The Qualification Number for this qualification is 600/4182/1

- Pathway 1:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Underpinning Operations – Excavated Underpinning (Construction) (QCF)
- Pathway 2:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Underpinning Operations – Mini Piling (Construction) (QCF)
- Pathway 3:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Chemical Grouting (Construction) (QCF)
- Pathway 4:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Preformed Piles (Construction) (QCF)
- Pathway 5:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Retaining Structures (Construction) (QCF)
- Pathway 6:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Dewatering – Well Points (Construction) (QCF)
- Pathway 7:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Dewatering – Deep Wells (Construction) (QCF)
- Pathway 8:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Dewatering – Ejectors (Construction) (QCF)
- Pathway 9:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Ground Anchors – Driven (Construction) (QCF)
- Pathway 10:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Ground Anchors – Open Hole (Construction) (QCF)
- Pathway 11:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Box Beam Post Tensioning (Construction) (QCF)
- Pathway 12:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Resin and Grout Injection Operations (Construction) (QCF)
- Pathway 13:** Edexcel Level 2 NVQ Diploma in Sub-structure Work Occupations – Installation of Gas Membranes (Construction) (QCF)

Credit value (pathway 1): 61

Credit value (pathway 2): 59

Credit value (pathway 3): 56

Credit value (pathway 4): 62

Credit value (pathway 5): 62

Credit value (pathway 6): 40

Credit value (pathway 7): 42

Credit value (pathway 8): 42

Credit value (pathway 9): 47

Credit value (pathway 10): 50

Credit value (pathway 11): 50

Credit value (pathway 12): 51

Credit value (pathway 13): 41

Minimum credit to be achieved at, or above, the level of the qualification: 38

Mandatory units for all pathways (credit value: 10)

Unit ref	Title	Credits	Level
A/503/1170	Conforming to General Health, Safety and Welfare in the Workplace*	2	1
J/503/1169	Conforming to Productive Working Practices in the Workplace*	3	2
F/503/1171	Moving, Handling and Storing Resources in the Workplace*	5	2

Mandatory unit for pathway 1 (credit value: 11)

Unit ref	Title	Credits	Level
A/600/8109	Setting Out for Basic Underpinning in the Workplace	11	2

Optional units for pathway 1 (credit value: 40) THREE units

Unit ref	Title	Credits	Level
M/600/8107	Erecting and Striking Formwork for Excavated Underpinning in the Workplace	18	2
T/600/8108	Installing Reinforcement Steel in the Workplace	16	2
M/600/8110	Excavating for Underpinning in the Workplace	13	2
A/600/8112	Installing Dry Packing in the Workplace	14	2
Y/600/8165	Placing and Compacting Concrete in the Workplace	13	2

Mandatory units for pathway 2 (credit value: 49)

Unit ref	Title	Credits	Level
A/600/8109	Setting Out for Basic Underpinning in the Workplace	11	2
J/600/8114	Installing Mini-piles in the Workplace	30	2
J/600/7111	Carrying out Checks and/or Basic Maintenance on Plant or Machinery in the Workplace	8	2

Mandatory units for pathway 3 (credit value: 46)

Unit ref	Title	Credits	Level
R/600/7127	Establishing Work Area Protection and Safety in the Workplace	10	2
F/600/8225	Preparing for Chemical Grouting and Soil Injection in the Workplace	18	2
J/600/8226	Carrying Out Chemical Grouting and Soil Injection in the Workplace	18	2

Mandatory units for pathway 4 (credit value: 52)

Unit ref	Title	Credits	Level
R/600/7127	Establishing Work Area Protection and Safety in the Workplace	10	2
L/600/8227	Preparing to Install Preformed Piles in the Workplace	18	2
Y/600/8229	Installing Preformed Piles in the Workplace	24	2

Mandatory units for pathway 5 (credit value: 22)

Unit ref	Title	Credits	Level
R/600/7127	Establishing Work Area Protection and Safety in the Workplace	10	2
D/600/8099	Preparing and Operating Specialised Powered Tools and Equipment in the Workplace	4	2
L/600/8101	Setting Out Secondary Dimensional Work Control in the Workplace	8	2

Optional units for pathway 5 (credit value: 30) ONE unit

Unit ref	Title	Credits	Level
L/600/8230	Installing Mass Gravity Retaining Structures in the Workplace	30	2
Y/600/8232	Installing Precast Concrete Retaining Structures in the Workplace	30	2
K/600/8235	Installing Reinforced Soil Retaining Structures and Slopes in the Workplace	30	2
T/600/8237	Stabilising Steep Cutting Slopes in the Workplace	30	2

Mandatory units for pathway 6 (credit value: 30)

Unit ref	Title	Credits	Level
M/600/8169	Preparing to Install Well Point Dewatering Systems in the Workplace	12	2
R/600/8178	Installing Well Point Dewatering Systems in the Workplace	18	2

Mandatory units for pathway 7 (credit value: 32)

Unit ref	Title	Credits	Level
L/600/8180	Preparing to Install Deep Wells or Ejectors as Dewatering Systems in the Workplace	14	2
Y/600/8182	Installing Deep Well Dewatering Systems in the Workplace	18	2

Mandatory units for pathway 8 (credit value: 32)

Unit ref	Title	Credits	Level
L/600/8180	Preparing to Install Deep Wells or Ejectors as Dewatering Systems in the Workplace	14	2
M/600/8186	Installing Ejector Dewatering Systems in the Workplace	18	2

Mandatory units for pathway 9 (credit value: 37)

Unit ref	Title	Credits	Level
R/600/7127	Establishing Work Area Protection and Safety in the Workplace	10	2
K/600/8204	Preparing to Install Ground Anchors in the Workplace	10	2
A/600/8207	Installing Mechanical Ground Anchors in the Workplace	17	2

Mandatory units for pathway 10 (credit value: 40)

Unit ref	Title	Credits	Level
R/600/7127	Establishing Work Area Protection and Safety in the Workplace	10	2
K/600/8204	Preparing to Install Ground Anchors in the Workplace	10	2
A/600/8210	Installing Open Hole Ground Anchors in the Workplace	20	2

Mandatory units for pathway 11 (credit value: 40)

Unit ref	Title	Credits	Level
R/600/7127	Establishing Work Area Protection and Safety in the Workplace	10	2
M/600/8219	Preparing to Install Post Tensioning System as Sub-structural Repair in the Workplace	14	2
T/600/8223	Installing Post Tensioning System as Sub-structural Repair in the Workplace	16	2

Mandatory units for pathway 12 (credit value: 41)

Unit ref	Title	Credits	Level
R/600/7127	Establishing Work Area Protection and Safety in the Workplace	10	2
H/601/6561	Preparing for Resin and Grout Injection Operations in the Workplace	13	2
J/601/6570	Carrying Out Resin and Grout Injection Operations in the Workplace	18	2

Mandatory units for pathway 13 (credit value: 31)

Unit ref	Title	Credits	Level
R/601/6653	Preparing to Install Gas Membranes in the Workplace	13	2
L/601/6666	Installing Gas Membranes in the Workplace	18	2

Additional units (not compulsory) (credit value: n/a)**Pathways 1 and 2**

Unit ref	Title	Credits	Level
Y/600/8117	Repairing Sub-structure after Underpinning in the Workplace	15	2
F/600/8161	Providing Temporary Support to Deep Underpinning in the Workplace	15	2
H/600/7889	Preparing and Operating Rough Terrain Masted Forklifts to Lift and Transfer Loads in the Workplace	18	2
M/600/7894	Preparing and Operating Industrial Counterbalanced Forklifts to Lift and Transfer Loads in the Workplace	16	2
L/600/7899	Preparing and Operating Sideloader Forklifts to Lift and Transfer Loads in the Workplace	16	2
A/600/7915	Preparing and Operating Telescopic Handlers to Lift and Transfer Loads in the Workplace	25	2
J/600/7917	Preparing and Operating Reach Trucks to Lift and Transfer Loads in the Workplace	16	2
J/600/7920	Preparing and Operating Lorry Loaders or Knuckle Boom Cranes to Lift and Transfer Loads in the Workplace	30	2
L/600/7921	Preparing and Operating Skip Handlers to Lift and Transfer Loads in the Workplace	18	2
T/600/7931	Preparing and Operating 180 degree Excavators to Extract and Excavate Ground and Loose Materials in the Workplace	80	2
L/600/7935	Preparing and Operating Wheeled Loading Shovels to Extract Loose Materials in the Workplace	26	2
R/600/7936	Preparing and Operating Tracked Loading Shovels to Extract Ground and Loose Materials in the Workplace	80	2
D/600/7938	Preparing and Operating Skid Steer Loaders to Extract Loose Materials in the Workplace	20	2
J/600/7948	Preparing and Operating Motorised Scrapers to Extract, Transport and Distribute Materials in the Workplace	80	2
K/600/7957	Preparing and Operating 360 degree Excavators to Extract Ground, Face and/or Loose Materials in the Workplace	80	2

R/600/7970	Preparing and Operating 360 degree Excavators to Excavate Ground in the Workplace	80	2
Y/600/7971	Preparing and Operating Trenchers to Excavate Ground in the Workplace	50	2
T/600/7976	Preparing and Operating Truck-mounted Boom Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace	70	2
A/600/7977	Preparing and Operating Forward Tipping Dumpers to Receive, Transport and Discharge Materials in the Workplace	16	2
R/600/7998	Preparing and Operating Rear Tipping Dump Trucks to Receive, Transport and Discharge Materials in the Workplace	30	2
F/600/8001	Preparing and Operating Agricultural-based Tractors for Non-agricultural Activities in the Workplace	20	2
Y/600/8005	Preparing and Operating Trailer-mounted Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace	18	2
T/600/8013	Preparing and Operating Scissor-type Mobile Elevating Work Platforms (MEWP) in the Workplace	12	2
Y/600/8019	Preparing and Operating Boom-type Mobile Elevating Work Platforms (MEWP) in the Workplace	14	2
H/600/8024	Preparing and Operating Mast Climber-type Mobile Elevating Work Platforms (MEWP) in the Workplace	12	2
H/600/8055	Preparing and Operating Soil Stabilisers to Lay and Distribute Materials in the Workplace	40	2
K/600/8073	Preparing and Operating Ride-on Rollers to Compact Materials in the Workplace	16	2
R/600/8102	Slinging and Signalling the Movement of Loads (Secondary Role) in the Workplace	8	2

Pathways 9 and 10

L/600/8213	Installing Self Drilling Ground Anchors in the Workplace	23	2
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Exemptions

Previous achievement of National Qualification Framework (NQF) National/Scottish Vocational Qualification (N/SVQ) units will be considered as exemptions for the relevant Qualifications and Credit Framework (QCF) NVQ unit. For clarification, please seek advice from ConstructionSkills.

Other and equivalent units

Currently, no other or equivalent units within the QCF will be considered.