

Recommended Qualification Structure

Level 2 NVQ Diploma in Plant Operations (Construction) v7

Pathway 1:	Level 2 NVQ Diploma in Plant Operations (Cranes and Specialist Lifting)
Pathway 2:	Level 2 NVQ Diploma in Plant Operations (Extracting)
Pathway 3:	Level 2 NVQ Diploma in Plant Operations (Excavating)
Pathway 4:	Level 2 NVQ Diploma in Plant Operations (Constructing and Forming)
Pathway 5:	Level 2 NVQ Diploma in Plant Operations (Transporting Loads)
Pathway 6:	Level 2 NVQ Diploma in Plant Operations (Laying and Distributing)
Pathway 7:	Level 2 NVQ Diploma in Plant Operations (Road/Rail)
Pathway 8:	Level 2 NVQ Diploma in Plant Operations (Attachments)
Pathway 9:	Level 2 NVQ Diploma in Plant Operations (In-shore Marine)
Pathway 10:	Level 2 NVQ Diploma in Plant Operations (Erecting and Dismantling)

TQT Total (pathway 1):	550
TQT Total (pathway 2):	550
TQT Total (pathway 3):	515
TQT Total (pathway 4):	570
TQT Total (pathway 5):	750
TQT Total (pathway 6):	450
TQT Total (pathway 7):	930
TQT Total (pathway 8):	920
TQT Total (pathway 9)	480
TQT Total (pathway 10)	850

**CITB unit ref for internal use only*

Mandatory units for all pathways

*CITB unit ref	Title	Level
641	Conforming to general health, safety and welfare in the workplace	1
642	Conforming to productive working practices in the workplace	2

Optional units for pathway 1 (Cranes and Specialist Lifting) ONE Unit

*CITB unit ref	Title	Level
387Bv2	Preparing and operating crawler cranes (above 10 tonnes) to lift and transfer loads in the workplace	2
387Cv2	Preparing and operating tower cranes to lift and transfer loads in the workplace	2
387Dv2	Preparing and operating mobile cranes to lift and transfer loads in the workplace	2
387Pv2	Preparing and operating crawler-tractor side booms to lift and transfer loads in the workplace	2

**Optional units for pathway 2
(Extracting)****ONE Unit**

*CITB unit ref	Title	Level
388Av3	Preparing and operating draglines to extract ground and/or loose materials in the workplace	2
388Bv3	Preparing and operating 180 degree excavators to extract and excavate ground and loose materials in the workplace	2
388Dv3	Preparing and operating tracked loading shovels to extract ground and loose materials in the workplace	2
388Fv3	Preparing and operating motorised scrapers to extract, transport and distribute materials in the workplace	2
388Gv3	Preparing and operating trenchers to extract ground and/or loose materials in the workplace	2
388Jv3	Preparing and operating 360 degree excavators to extract ground, face and/or loose materials in the workplace	2
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
388Mv2	Preparing and operating suction and vacuum excavators to extract in the workplace	2

**Optional units for pathway 3
(Excavating)****ONE Unit**

*CITB unit ref	Title	Level
388Bv3	Preparing and operating 180 degree excavators to extract and excavate ground and loose materials in the workplace	2
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
389Av3	Preparing and operating draglines to excavate ground materials in the workplace	2
389Cv3	Preparing and operating 360 degree excavators to excavate ground in the workplace	2
389Dv3	Preparing and operating trenchers to excavate ground in the workplace	2
389Fv1	Preparing and operating tracked loading shovels to excavate ground and loose materials in the workplace	2
389Hv1	Preparing and operating suction and vacuum excavators to excavate in the workplace	2

**Optional units for pathway 4
(Constructing and Forming)****ONE Unit**

*CITB unit ref	Title	Level
390Av3	Preparing and operating graders to form and shape ground and/or loose materials in the workplace	2
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
390D v1	Preparing and operating formwork rigs to construct and form in the workplace	2

**Mandatory unit for pathway 5
(Transporting Loads)**

*CITB unit ref	Title	Level
391Av3	Preparing and operating truck-mounted boom concrete pumps to receive, pump and discharge materials in the workplace	2

**Optional units for pathway 6
(Laying and Distributing)****ONE Unit**

*CITB unit ref	Title	Level
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
393Av3	Preparing and operating soil stabilisers to lay and distribute materials in the workplace	2

**Mandatory unit for pathway 7 – plus see
optional units for pathway 7
(Road/Rail)**

*CITB unit ref	Title	Level
398v3	Preparing and operating road/rail adapted plant in the workplace	2

**Mandatory unit for pathway 8 – plus see
optional units for pathway 8
(Attachments)**

*CITB unit ref	Title	Level
399v3	Preparing and operating plant or machinery attachments in the workplace	2

Optional units for pathways 7 and 8 ONE Unit

*CITB unit ref	Title	Level
388Bv3	Preparing and operating 180 degree excavators to extract and excavate ground and loose materials in the workplace	2
388Dv3	Preparing and operating tracked loading shovels to extract ground and loose materials in the workplace	2
388Jv3	Preparing and operating 360 degree excavators to extract ground, face and/or loose materials in the workplace	2
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
389Cv3	Preparing and operating 360 degree excavators to excavate ground in the workplace	2

**Mandatory unit for pathway 9
(In-shore Marine)**

*CITB unit ref	Title	Level
403v2	Preparing and operating plant or machinery from a floating vessel in the workplace	2

Optional units for pathway 9**ONE Unit**

*CITB unit ref	Title	Level
387Av2	Preparing and operating compact cranes to lift and transfer loads in the workplace	2
387Bv2	Preparing and operating crawler cranes (above 10 tonnes) to lift and transfer loads in the workplace	2
387Dv2	Preparing and operating mobile cranes to lift and transfer loads in the workplace	2
387Ev3	Preparing and operating remote controlled tower cranes to lift and transfer loads in the workplace	2
387Gv2	Preparing and operating excavator cranes to lift and transfer loads in the workplace	2
387Lv2	Preparing and operating telescopic handlers to lift and transfer loads in the workplace	2
387Qv2	Preparing and operating lorry loaders or knuckle booms to lift and transfer loads in the workplace	2
389Av3	Preparing and operating draglines to excavate ground materials in the workplace	2
389Cv3	Preparing and operating 360 degree excavators to excavate ground in the workplace	2
391Av3	Preparing and operating truck-mounted boom concrete pumps to receive, pump and discharge materials in the workplace	2
391Ev3	Preparing and operating trailer-mounted concrete pumps to receive, pump and discharge materials in the workplace	2
392Bv3	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace	2
400v2	Preparing and operating powered units, tools or pedestrian plant, machinery or equipment in the workplace	2

**Mandatory units for pathway 10
(Erecting and Dismantling)**

*CITB unit ref	Title	Level
402v3	Slinging, signalling and the movement of suspended loads in the workplace	2
404v2	Erecting and dismantling plant (cranes and rigs) in the workplace	2
643	Moving, handling and storing resources in the workplace	2

**Additional units for all Pathways
(not compulsory)**

*CITB unit ref	Title	Level
643	Moving, handling and storing resources in the workplace	2
659	Operating plant or machinery for non-operational activities in the workplace	2

Unit endorsements for Level 2 NVQ Diploma in Plant Operations (Construction)

*CITB unit ref	Endorsement
387A	One of the following endorsements required: Compact crane – static stabilisers Compact crane – mobile industrial Compact crane – luffing static Compact crane – 360° pick and carry
387C	One of the following endorsements required: Tower crane trolley jib – cab controlled Tower crane trolley jib – remote controlled Tower crane luffing jib – cab controlled
387D	One of the following endorsements required: Mobile crane blocked duties Mobile crane pick and carry duties only Mobile crane all duties
387E	The following endorsements required: Tower crane trolley jib – remote controlled
387L	One of the following endorsements required: Telescopic handler industrial telescopic Telescopic handler up to 9 metres Telescopic handler all sizes Telescopic handler all sizes excluding 360° Telescopic handler all sizes including 360°
387Q	One of the following endorsements required: Knuckle boom Lorry loader hook Lorry loader clamshell bucket Lorry loader hydraulic clamp
388B	One of the following endorsements required: Excavator 180° crawler and wheeled below 5 tonne Excavator 180° crawler and wheeled above 5 tonne
388J	One of the following endorsements required: Excavator 360° below 10 tonne tracked Excavator 360° below 10 tonne wheeled Excavator 360° above 10 tonne tracked Excavator 360° above 10 tonne wheeled
388L	One of the following endorsements required: Extract Excavate Construct/form Lay/distribute
389C	One of the following endorsements required: Excavator 360° below 10 tonne tracked Excavator 360° below 10 tonne wheeled Excavator 360° above 10 tonne tracked Excavator 360° above 10 tonne wheeled
390D	One of the following endorsements required Formwork rig slipform vertical Formwork rig slipform horizontal Formwork rig climbing/jumping
392B	One of the following endorsements required: Mobile elevated working platform boom vehicle mounted Mobile elevated working platform boom self-propelled
393A	One of the following endorsements required: Soil stabiliser self-propelled Soil stabiliser towed

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*CITB unit ref	Endorsement
398	One of the following endorsements required: - Road rail – forward tipping dumper - Road rail – MEWP scissor - Road rail – MEWP boom - Road rail – crawler tractor/dozer - Road rail – knuckle boom crane - Road rail – dump truck – articulated chassis - Road rail – dump truck – rigid chassis - Road rail – excavator 360° wheeled - Road rail – excavator 360° tracked - Road rail – excavator crane - Road rail – crane - Road rail – rough terrain forklift truck - Road rail – telescopic handler - Road rail – agricultural tractor
399	One of the following endorsements required: - Rail thimble - Rail flail - Rail ballast brush - Rail ballast/material movement vacuum unit - Rail hydraulic rail beam - Rail hydraulic sleeper grab - Rail trailer - Rail tamper - Rail vacuum lifter - Rail grapple/log grab - Auger - Sweeper - Pecker/hammer - Mower - Grab - Roller - Mobile work platform - Fork - Lifthook - Bucket - Lifting jib - Crusher
400	One of the following endorsements required: - Generators - Pumps - Pedestrian operated plant or machines - Mixers - Compressors - Self powered tools
403	Six of the following endorsements required: - Lift - Transfer - Extract - Excavate - Construct - Form - Receive - Access - Distribute - Demolish - Process
404	One of the following endorsements required: - Mobile crane - Crawler crane - Mobile tower crane - Self-erect equipment - Piling rig - Demolition rig - Drilling rig

659	Two of the following endorsements required: Hand-operated power tools Static machinery Pedestrian controlled power equipment Tracked plant Wheeled plant Rollers
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Note: Where industry requests an Awarding Organisation to further endorse a unit, the Awarding Organisation must first seek approval from CITB (standards.qualifications@citb.co.uk) to ensure the endorsement is appropriate to the unit.