

# Pearson Higher Nationals Recognition of Prior Learning (RPL)

## MAPPING DOCUMENT

QCF Pearson BTEC Level 4 Higher National Certificate in Construction and the Built Environment unit content mapped to the Level 4 units available in the RQF Pearson BTEC Level 4 Higher National Certificate.

For use with the following qualifications: Pearson BTEC Higher National Certificate/ Higher National Diploma in Construction in the Built Environment

Issue 1



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## HNC in Construction and the Built Environment: Unit Mapping Overview

This mapping document is designed to support centres who wish to recognise student achievement in older QCF Higher Nationals within the new RQF suites. The document demonstrates where content is covered in the new suite, and where there is new content to cover to ensure full coverage of learning outcomes.

P – Partial mapping (some topics from the old unit appear in the new unit)

X – Full mapping + new (all the topics from the old unit appear in the new unit, but new unit also contains new topic(s))

N – New unit

Unit no.	Unit title New RQF HN programme	Maps to unit number on existing QCF HN programme	Level of similarity between units
1	Individual Project	1	P
		2	P
		6	P
		13	P
		41	P
		42	P
2	Construction Technology	1	P
		7	P
		10	P
		33	P
3	Science & Materials	1	P
		2	P
		6	P
		13	P
		41	P
		42	P

4	Construction Practice & Management	6	P
		16	P
		21	P
5	Legal & Statutory Responsibilities in Construction	9	X
		16	P
6	Construction Information (Drawing, Detailing, Specification)	16	P
		23	P
		28	P
		29	P
		49	P
7	Surveying, Measuring & Setting-out	3	P
		27	X
8	Mathematics for Construction	3	X
9	Principles of Heating Services Design & Installation	42	X
10	Principles of Ventilation and Air-conditioning Design & Installation	10	P
		41	X
11	Measurement & Estimating	16	P
		18	X
12	Financial Management and Business Practices in Construction	9	P
13	Tender & Procurement	16	X
		21	P
14	Building Information Modelling	21	P
		28	P
15	Principles of Refurbishment	1	P
		7	P
16	Principles of Alternative Energy		N
17	Principles of Public Health Engineering	46	P
18	Civil Engineering Technology	33	X

19	Principles of Electrical Design & Installation	43	X
		50	P
20	Principles of Structural Design		N
21	Site Supervision and Operations	6	P
		7	P
		21	P

## Unit Mapping in Depth

RQF HNC Units		QCF HNC units		Mapping comments	
No	RQF unit title	No	QCF unit title	QCF LOs	RQF LOs
1	Individual Project	1	Design Principles and Application for Construction and the Built Environment	26	1
		4	Design Procedures for Construction	24	2
					3
3	The Use of Information and Communication Technology for Construction and the Built Environment	35	4		
2	Construction Technology	1	Design Principles and Application for Construction and the Built Environment	5	1
		3	Construction and Maintenance of Buildings	7	2
		33	Civil Engineering Technology	1,2	
		13	Environmental Impact of Construction		3
		7	Construction and Maintenance of Buildings	4	4
		10	Building Services Design, Installation and Maintenance in Construction	2	

RQF HNC Units		QCF HNC units		Mapping comments	
No	RQF unit title	No	QCF unit title	QCF LOs	RQF LOs
3	Science & Materials	6	Health, Safety & Welfare for Construction and the Built Environment	1,2	1
		13	Environmental Impact of Construction	1	2
		2	Science and Materials for Construction and the Built Environment	1	
		2	Science and Materials for Construction and the Built Environment	1	3
		42	Low Pressure Hot Water Heating for Non-domestic Buildings	1,2	4
		41	Air Conditioning for Industrial and Commercial Buildings	1,2,3	
4	Construction Practice & Management				1
		16	Measuring, Tendering and Estimating for Construction and the Built Environment	1,4	2
		21	Specification and Contract Documentation for Construction	4	3
		6	Health, Safety & Welfare for Construction and the Built Environment	1,2	4
5	Legal & Statutory Responsibilities in Construction	9	Law and Contract for Construction and the Built Environment	4	1
				1,2	2
		16	Measuring, Tendering and Estimating for Construction and the Built Environment	4	3
				4	4

RQF HNC Units		QCF HNC units		Mapping comments	
No	RQF unit title	No	QCF unit title	QCF LOs	RQF LOs
6	Construction Information (Drawing, Detailing, Specification)	29	Computer-aided Design for Construction	2,3	1
		23	Advanced Measurement for Construction	5	2
		16	Measuring, Tendering and Estimating for Construction and the Built Environment	1	
		28	IT Applications for Construction	5	3
		49	Electrical and Electronic Control Principles for Building Services Engineering	2	4
7	Surveying, Measuring & Setting-out	27	Site Surveying procedures for Construction and the Built Environment	1,2	1
		27		1,3	2
		3	Science and Materials for Construction and the Built Environment	2	3 4
8	Mathematics for Construction	3	Applied Mathematics for Construction and the Built Environment	4	1
				3	2
				1	3 4
9	Principles of Heating Services Design & Installation	42	Low Pressure Hot Water Heating for Non-domestic Buildings	1	1
				2	2
				3	3
				4	4
10	Principles of Ventilation and Air-conditioning Design & Installation	10	Building Services Design, Installation and Maintenance in Construction	1	1
		41	Air Conditioning for Industrial and Commercial Buildings	1	2
				3	3
				4	4

RQF HNC Units		QCF HNC units		Mapping comments	
No	RQF unit title	No	QCF unit title	QCF LOs	RQF LOs
11	Measurement & Estimating	16	Measuring, Tendering and Estimating for Construction and the Built Environment	1	1
		18	Measurement Processes for Construction	1	
		16	Measuring, Tendering and Estimating for Construction and the Built Environment	2,3	2
		18	Measurement Processes for Construction	1	
		16	Measuring, Tendering and Estimating for Construction and the Built Environment	3	3
			4		
12	Financial Management and Business Practices in Construction	9	Applied Mathematics for Construction and the Built Environment	3	1
					2
		9	Applied Mathematics for Construction and the Built Environment	3	3
					4
13	Tender & Procurement	16	Measuring, Tendering and Estimating for Construction and the Built Environment	1	1
				4	2
		21	Specification and Contract Documentation for Construction	1,3	3
		16	Measuring, Tendering and Estimating for Construction and the Built Environment	3	4
14	Building Information Modelling				1
		28	IT Applications for Construction	1,5	
		21	Specification and Contract Documentation for Construction	1	3
					4

RQF HNC Units		QCF HNC units		Mapping comments	
No	RQF unit title	No	QCF unit title	QCF LOs	RQF LOs
15	Principles of Refurbishment	7	Construction and Maintenance of Buildings	4	1
					2
					3
		1	Design Principles and Application for Construction and the Built Environment	1	4
16	Principles of Alternative Energy				1
					2
					3
					4
17	Principles of Public Health Engineering	46	Piped Distribution Services for Non-domestic Buildings	2	1
					2
					3
		46	Piped Distribution Services for Non-domestic Buildings	2,3,4	4
18	Civil Engineering Technology	33	Civil Engineering Technology	1,2	1
				3	2
				5	3
					4
19	Principles of Electrical Design & Installation	43	Electricity and Lighting for Building Services Engineering	2,3	1
				1,2,4	
		50	Electrical Installation for Building Services Engineering	3	2
		43	Electricity and Lighting for Building Services Engineering	2	3
				1	4

RQF HNC Units		QCF HNC units		Mapping comments	
No	RQF unit title	No	QCF unit title	QCF LOs	RQF LOs
20	Principles of Structural Design				
21	Site Supervision & Operations	21	Specification and Contract Documentation for Construction	2	1
		7	Construction and Maintenance of Buildings	4	2
		6	Health, Safety and Welfare for Construction and the Built Environment	1,2,3	3
					4