

3 Qualification structures

To achieve the **Level 2 Diploma in Network Construction Operations (Gas) – Service layer**, learners must achieve the following combination of units, depending on pathway chosen.

- Level 2 Diploma in Network Construction Operations (Gas) – Service layer (Self lay)
 - 37 credits from 201 - 203, 205 - 207, 209 - 210, 215, 301
- Level 2 Diploma in Network Construction Operations (Gas) – Service layer (Distribution)
 - 41 credits from 201 - 207, 209 - 210, 215, 301
- Level 2 Diploma in Network Construction Operations (Gas) – Service layer (Repair and Maintenance)
 - 52 credits from 201 - 207, 209 - 210, 215, 217 - 218, 301, 304 - 305

Units 208, 213, 219, 307, 310 and 311 are elective and may be undertaken; however credits gained will not contribute to the overall achievement of the qualification.

Unit accreditation number	City & Guilds unit number	Unit title	Mandatory/ optional for full qualification	Credit value
R/503/0316	201	Create an efficient and effective environment in Utilities Network Construction	Mandatory	3
R/503/0669	202	Maintain a safe and secure working environment in Utilities Network Construction	Mandatory	3
A/503/0665	203	Establish and maintain effective working relationships	Mandatory	2
A/503/0682	204	Install equipment for safe working on the highway for utilities network construction	Mandatory	4
F/503/0683	205	Install equipment for safe working on sites for utilities network construction	Mandatory	3
J/503/0684	206	Locate and avoid supply apparatus for utilities network construction	Mandatory	4
L/503/0685	207	Excavate and maintain holes and trenches for utilities network construction	Mandatory	5
R/503/0686	208	Reinstate excavation and pavement surfaces after utility network construction operations	Elective	5

Y/503/0687	209	Operate powered tools and equipment for routine and predictable requirements on utilities network construction	Mandatory	4
F/503/0666	210	Join materials by electrofusion	Mandatory	2
A/503/0696	213	Install or replace external gas service risers	Elective	8
J/503/0698	215*	Conduct specified testing of Gas services	Mandatory	2
L/503/0671	217*	Restore gas components to operational condition by repair	Mandatory	2
Y/503/0673	218*	Conduct specified testing of gas networks associated with leakage location	Mandatory	3
T/503/0700	219	Disconnection of Gas Meters	Elective	2
T/503/0695	301*	Install Gas services up to 63mm	Mandatory	9
R/503/0672	304*	Minimise risks to life, property and the environment during Gas escapes	Mandatory	3
D/503/0674	305*	Analyse and interpret the results of surveys to determine the location of gas escapes	Mandatory	3
H/506/0789	307	Decommissioning and abandonment of mains and services 63mm and above	Elective	7
Y/506/4757	310	Operate within the gas intermediate pressure range	Elective	3
D/506/4758	311	Operate safely in emergency situations within the gas intermediate pressure range	Elective	2

*These units require an Assessor Observation Report to be completed as part of evidence collected