



LEVEL 1 CERTIFICATE IN FABRICATION AND WELDING PRACTICE

LEVEL 2 AWARD AND CERTIFICATE IN FABRICATION AND WELDING PRACTICE

LEVEL 3 AWARD, CERTIFICATE AND DIPLOMA IN FABRICATION AND WELDING PRACTICE

Qualification Structure – Level 1 Certificate

The ABC Level 1 Certificate in Fabrication and Welding Practice is made up of 1 mandatory unit and 3 optional units, one to be taken from the Option A units, one from Option B and one from Option C.

Unit 1 Health and Safety (20GLH) (F/500/9722)

Option A

One unit from the units below

Unit 2 Engineering Drawing (40GLH) (J/500/9723)

Unit 3 Engineering Materials (40GLH) (L/500/9724)

Option B

One unit from the units below

Unit 4 Fabrication of Thick Plate (40GLH) (Y/500/9726)

Unit 5 Fabrication of Sheet Metal (40GLH) (A/501/1209)

Option C

One unit from the units below

Unit 6 Oxy-acetylene Gas Welding and Cutting (40GLH) (D/500/9727)

Unit 7 Manual Metal Arc Welding (40GLH) (M/501/1210)

Unit 8 Metal Arc Gas Shielded Welding (40GLH) (T/501/1211)

Unit 9 Tungsten Arc Gas Shielded Welding (40GLH) (A/501/1212)

The qualification has been allocated 140 guided learning hours for completion.

Qualification Structure – Level 2 Award

The **ABC Level 2 Award in Fabrication and Welding Practice (80GLH)** is made up of 2 units.

Candidates must complete the following Mandatory Unit

Unit 9 Health and Safety (F/500/9722)

And any 1 option units from those listed below

Unit 1 Related Studies for Fabrication and Welding Practices (F/501/1213)

Unit 2 Oxy-Acetylene Gas Welding and Cutting (J/500/9737)

Unit 3 Manual Metal-Arc Welding (L/500/9738)

Unit 4 Metal-Arc Gas Shielded Welding (R/500/9739)

Unit 5 Tungsten-Arc Gas Shielded Welding (J/500/9740)

Unit 6 Fabrication Processes (General) (L/500/9741)

Unit 7 Fabrication Processes (Sheet Metal) (R/500/9742)

Unit 8 Engineering Drawing (General) (Y/500/9743)

The L2 Award will indicate which units have been achieved. The aim is to provide flexibility to meet the needs of learners and employers, particularly in relation to CPD.

Qualification Structure – Level 2 Certificate

The **ABC Level 2 Certificate in Fabrication and Welding Practice** is made up of 1 Mandatory and 3 Option Units as follows:

One Mandatory unit

Unit 1 Related Studies for Fabrication and Welding Practices (F/501/1213)

And any 3 option units from those listed below

Unit 2 Oxy-Acetylene Gas Welding and Cutting (J/500/9737)

Unit 3 Manual Metal-Arc Welding (L/500/9738)

Unit 4 Metal-Arc Gas Shielded Welding (R/500/9739)

Unit 5 Tungsten-Arc Gas Shielded Welding (J/500/9740)

Unit 6 Fabrication Processes (General) (L/500/9741)

Unit 7 Fabrication Processes (Sheet Metal) (R/500/9742)

Unit 8 Engineering Drawing (General) (Y/500/9743)

The certificate has been allocated **240** guided learning hours for completion (60 GLH per unit)

Qualification Structure – Level 3 Award

The ABC Level 3 Award in Fabrication and Welding Practice (80 GLH) consists of 1 Mandatory Unit and any Option Units from the list below:

One Mandatory unit

Unit 28 Health and Safety (F/500/9722)*

Option Units

Unit 2 Oxy-Acetylene Gas Welding and Cutting – Vertical (Y/501/1217)*
Unit 3 Manual Metal-Arc Welding - Vertical (D/501/1218)*
Unit 4 Metal-Arc Gas Shielded Welding – Vertical (Y/501/1220)*
Unit 5 Tungsten-Arc Gas Shielded Welding – Vertical (H/501/1219)*
Unit 6 Fabrication Processes (General) (D/501/1221)*
Unit 7 Fabrication Processes (Sheet Metal) (H/501/1222)*
Unit 8 Engineering Drawing (General) (K/501/1223)*
Unit 9 Oxy-Acetylene Gas Welding and Cutting – Overhead (M/501/1224)*
Unit 10 Oxy-Acetylene Gas Welding – Overhead (Aluminium) (T/501/1225)*
Unit 11 Oxy-Acetylene Gas Welding – Overhead (Pipe) (A/501/1226)*
Unit 12 Manual Metal-Arc Welding – Overhead (F/501/1227)*
Unit 13 Manual Metal-Arc Welding – Overhead (Stainless Steel) (J/501/1228)*
Unit 14 Manual Metal-Arc Welding – Overhead (Pipe) (L/501/1229)*
Unit 15 Metal-Arc Gas Shielded Welding – Overhead (F/501/1230)*
Unit 16 Metal-Arc Gas Shielded Welding – Overhead (Aluminium) (J/501/1231)*
Unit 17 Metal-Arc Gas Shielded Welding – Overhead (Stainless Steel) (L/501/1232)*
Unit 18 Metal-Arc Gas Shielded Welding – Overhead (Pipe) (R/501/1233)*
Unit 19 Tungsten-Arc Gas Shielded Welding Overhead (Y/501/1234)*
Unit 20 Tungsten-Arc Gas Shielded Welding – Overhead (Aluminium) (D/501/1235)*
Unit 21 Tungsten-Arc Gas Shielded Welding – Overhead (Stainless Steel) (H/501/1236)*
Unit 22 Tungsten-Arc Gas Shielded Welding – Overhead (Pipe) (K/501/1237)*
Unit 23 Advanced Fabrication Processes (General) (M/501/1238)*
Unit 24 Advanced Fabrication Processes (Sheet Metal) (T/501/1239)*
Unit 25 Advanced Engineering Drawing (General) (K/501/1240)*
Unit 26 Materials for Fabrication and Welding Practice (M/501/1241)*
Unit 27 Quality Assurance in the Fabrication and Welding Industry (T/501/1242)*

Qualification Structure – Level 3 Certificate

The ABC Level 3 Certificate in Fabrication and Welding Practice (240 GLH) consists of the 1 Mandatory Unit and 3 Option A Units listed below.

One Mandatory unit

Unit 1 Related Studies for Fabrication and Welding Practice (L/501/1215)*

Option A - any 3 option units from those listed below

NB All welding processes / operations are carried out in the vertical position.

Unit 2 Oxy-Acetylene Gas Welding and Cutting – Vertical (Y/501/1217)*
Unit 3 Manual Metal-Arc Welding - Vertical (D/501/1218)*
Unit 4 Metal-Arc Gas Shielded Welding – Vertical (Y/501/1220)*
Unit 5 Tungsten-Arc Gas Shielded Welding – Vertical (H/501/1219)*
Unit 6 Fabrication Processes (General) (D/501/1221)*
Unit 7 Fabrication Processes (Sheet Metal) (H/501/1222)*
Unit 8 Engineering Drawing (General) (K/501/1223)*

Qualification Structure – Level 3 Diploma

The **ABC Level 3 Diploma in Fabrication and Welding Practice (480GLH)** consists of **1 Mandatory and 7 Option Units**, **3 from the Option A Group and 4 from the Option B group** as follows:

One Mandatory unit

Unit 1 Related Studies for Fabrication and Welding Practice (L/501/1215)*

Option A - 3 option units from those listed below

NB All welding processes / operations are carried out in the vertical position.

Unit 2 Oxy-Acetylene Gas Welding and Cutting – Vertical (Y/501/1217)*

Unit 3 Manual Metal-Arc Welding - Vertical (D/501/1218)*

Unit 4 Metal-Arc Gas Shielded Welding – Vertical (Y/501/1220)*

Unit 5 Tungsten-Arc Gas Shielded Welding – Vertical (H/501/1219)*

Unit 6 Fabrication Processes (General) (D/501/1221)*

Unit 7 Fabrication Processes (Sheet Metal) (H/501/1222)*

Unit 8 Engineering Drawing (General) (K/501/1223)*

Option B – 4 option units from those listed below

NB All welding processes / operations are carried out in the overhead position.

Unit 9 Oxy-Acetylene Gas Welding and Cutting – Overhead (M/501/1224)*

Unit 10 Oxy-Acetylene Gas Welding – Overhead (Aluminium) (T/501/1225)*

Unit 11 Oxy-Acetylene Gas Welding – Overhead (Pipe) (A/501/1226)*

Unit 12 Manual Metal-Arc Welding – Overhead (F/501/1227)*

Unit 13 Manual Metal-Arc Welding – Overhead (Stainless Steel) (J/501/1228)*

Unit 14 Manual Metal-Arc Welding – Overhead (Pipe) (L/501/1229)*

Unit 15 Metal-Arc Gas Shielded Welding – Overhead (F/501/1230)*

Unit 16 Metal-Arc Gas Shielded Welding – Overhead (Aluminium) (J/501/1231)*

Unit 17 Metal-Arc Gas Shielded Welding – Overhead (Stainless Steel) (L/501/1232)*

Unit 18 Metal-Arc Gas Shielded Welding – Overhead (Pipe) (R/501/1233)*

Unit 19 Tungsten-Arc Gas Shielded Welding Overhead (Y/501/1234)*

Unit 20 Tungsten-Arc Gas Shielded Welding – Overhead (Aluminium) (D/501/1235)*

Unit 21 Tungsten-Arc Gas Shielded Welding – Overhead (Stainless Steel) (H/501/1236)*

Unit 22 Tungsten-Arc Gas Shielded Welding – Overhead (Pipe) (K/501/1237)*

Unit 23 Advanced Fabrication Processes (General) (M/501/1238)*

Unit 24 Advanced Fabrication Processes (Sheet Metal) (T/501/1239)*

Unit 25 Advanced Engineering Drawing (General) (K/501/1240)*

Unit 26 Materials for Fabrication and Welding Practice (M/501/1241)*

Unit 27 Quality Assurance in the Fabrication and Welding Industry (T/501/1242)*

*Numbers in brackets denote QCA unit numbers

Note: Learners can only choose -

One unit from Units 9, 10, 11

One unit from Units 12, 13, 14

One unit from Units 15, 16, 17, 18

One unit from Units 19, 20, 21, 22

The qualification has been allocated **480** guided learning hours for completion (60 GLH per unit)