

6-G Welding Certification

Online

19 - 23 April 2026

UK Training

PARTNER



6-G Welding Certification

Code: OG28 From: 19 - 23 April 2026 City: Online Fees: 2400 Pound

Introduction

The 6-G Welding Certification course is designed to provide intermediate-level mechanical professionals with a strong theoretical foundation in welding processes, safety standards, weld joint preparation, defect identification, and certification requirements, focusing specifically on the complex 6-G position. This theoretical course prepares participants for practical exams by covering all essential aspects of 6-G welding through structured modules, discussions, and interactive activities.

Course Objectives

By the end of the course, participants will be able to:

- Understand the fundamentals and challenges of 6-G welding positions
- Identify different welding techniques and joint configurations used in 6-G
- Recognize common weld defects and understand inspection methods
- Apply safety standards and welding codes related to certification
- Prepare for the 6-G welding certification e.g., ASME Section IX or AWS standards

Course Outlines

Day 1: Introduction to Welding and 6-G Concepts

- Overview of welding processes SMAW, GTAW, GMAW, FCAW
- Definition and importance of the 6-G welding position inclined pipe joint
- Joint types and bevel preparations for pipe welding
- Tools and equipment used in pipe welding
- Welding codes and standards overview ASME, AWS, ISO

Day 2: Materials, Electrodes, and Welding Techniques

- Types of materials used in pipe welding carbon steel, stainless steel, etc.
- Electrode selection and classification
- Welding symbols and reading blueprints
- Heat-affected zones and metallurgy basics
- Preheating, interpass, and post-weld heat treatment PWHT

Day 3: Weld Defects, Quality Control, and Inspection Methods

- Common weld defects in 6-G positions cracks, porosity, undercut, etc.
- Causes and prevention of welding defects
- Non-destructive testing NDT methods: VT, RT, UT, PT, MT
- Understanding weld acceptance criteria



- Documentation and weld inspection reports

Day 4: Welding Safety, Procedures, and Certification Preparation

- Safety standards and PPE in welding environments
- Welding Procedure Specifications WPS and Procedure Qualification Records PQR
- Welder Performance Qualification WPQ process
- Review of certification requirements and assessment procedures
- Activity: Welding Blueprint Interpretation Challenge Participants work in small groups to interpret and analyze a complex welding drawing

Day 5: Review, Troubleshooting, and Q&A

- Troubleshooting weld issues specific to the 6-G position
- Review of key topics from Days 1-4
- Tips for passing the 6-G welding certification exam
- Open Q&A session with industry expert
- Course wrap-up and knowledge check short quiz or discussion

Why Attend this Course: Wins & Losses!

- Gain a complete understanding of the 6-G welding position ☐ or continue struggling with the most technically challenging weld configuration in industry
- Learn how to identify and prevent common weld defects ☐ or risk costly rework, failures, and rejected certifications
- Understand safety standards and certification codes ☐ or face compliance issues and safety violations
- Prepare with confidence for ASME or AWS certification exams ☐ or remain unqualified for key industry roles
- Enhance your credibility as a welder or inspector ☐ or fall behind in a competitive job market

Conclusion

This course provides a thorough theoretical framework for professionals aiming to achieve 6-G welding certification. From foundational knowledge and inspection methods to safety practices and exam preparation, participants will leave fully equipped to approach certification with confidence and clarity.

Whether working in oil and gas, manufacturing, or construction, the course offers valuable insights and skills for advancing in welding-related careers.



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)
(Switzerland)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

ASIA



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)
Korea



Phuket (Thailand)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Seoul (South)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut



Blackbird Training Cities

AFRICA



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for

UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

