

# Career paths in welding technology

# Welding personnel has excellent oppurtunities in the job market

About 340 DVS-approved training bodies provide education and training according to the DVS-IIW/EWF-Guideline "International Welder" in the four manual processes oxyacetylene welding, manual metal arc welding, tungsten inert gas welding and gas-shielded metal arc welding and are available to the industry as a competent partner in the field of professional training as a Specialist for Metal Technology (in the field of Design Technology). DVS as a partner for education and training in the field of joining, cutting and surfacing offers numerous qualification opportunities for skilled workers, foremen, technicians and graduates.

DVS-IIW/EWF Certification of Personnel with Welding Coordination Responsibilities (SAP)

according to DVS-IIW/EWF 1172 (IAB-341) Rules for Certification of Personnel with Welding Coordination

This certification scheme provides a way to assess and recognize job competence. Access conditions: IWE, IWT, IWS or IWP

**Degree:** DVS certificate

#### **DVS certification of Welding Coordinators**

according to DVS 1171 Rules for Certification of Personnel with Welding Coordination

Access conditions: IWE, IWT, IWS or IWP

**Degree:** DVS certificate

#### **DVS International Welding Inspection Personnel (IWIP)**

according to DVS-IIW/EWF 1178 (IAB-041) Supervisors performing inspection tasks on welded components.

The inspector's role begins well before welding starts, continues during the welding operation, involves action after welding is completed, and is finished only when the results are properly reported.

Degree: DVS/IIW diploma

Certificate according to ISO 9712 possible subject to certain prerequisites

#### **DVS International Welding Engineer** (SFI/EWE/IWE)

**DVS-certified** 

Welding

coordination

personnel (CIWE, CIWT,

**CIWS or CIWP)** 

according to DVS-IIW/EWF 1170 (IAB-252) "Personnel with qualification for welding coordination" in the field of e. g. power station development, plant engineering, railway vehicle manufacturing and structural steelwork

**Access conditions:** Bachelor of engineering degree at university level with a minimum study of 3 years Degree: DVS/IIW diploma

#### **DVS Welding Designer (SK)**

according to DVS 1181 as an expert for the calculation and design of welded structures in the following core areas:

. Basic design of welded constructions

. welded structures under cyclic loading

.. welded structures of aluminium and aluminium alloy

. pressure equipment

.. machinery .. automotive

Access conditions: higher technical education, state certified technician, Bachelor of engineering degree, DVS International Welding Engineer or

**Degree:** DVS diploma

-Technologist or specialist

# **DVS-IWIP: Level C/Comprehensive**

**DVS-IWIP: Level S/Standard** 

Access conditions: SFM/EWS/IWS

Access conditions: SFI/EWE/IWE or ST/EWT/IWT

### **DVS International Welding Technologist (ST/EWT/IWT)**

according to DVS-IIW/EWF 1170 (IAB-252) "Personnel with qualification for welding coordination" in the field of e.g. power station development, plant engineering, railway vehicle manufacturing and structural steelwork

Access conditions: higher technical education below that required for the International Welding Engineer Degree: DVS/IIW diploma

Degree: DVS/IIW diploma

# **DVS International Welding Specialist (SFM/EWS/IWS)**

according to DVS-IIW/EWF 1170 (IAB-252) "Personnel with qualification for welding coordination" in the field of e.g. power

station development, plant engineering, railway vehicle manufacturing and structural steelwork

**Access conditions:** Specific technical education

Access conditions SWM + SFM/EWS IWS + ADA

**DVS Welding Teacher (SL)** 

according to DVS 1158

for the education and

training of welders.

Degree: DVS

#### Level B/Basic **Access conditions:** SP/EWP/IWP

**DVS-IWIP:** 

## DVS International Welding Practitioner (SP/EWP/IWP)

according to DVS-IIW/EWF 1170 (IAB-252), characterised by universal manual skills, to act as a welding coordinator for simple designs Access conditions: Valid welder's qualification test **Degree:** DVS/IIW diploma

# **DVS Welding Instructor (SWM)**

according to DVS 1157, characterised by universal manual skills, to act as a welding coordinator for simple designs, support for inhouse education Access conditions: Min. 19 years old and verification of the skill of welder Degree: DVS/IIW diploma

certificate

# **DVS Welder Qualification Test**

According to ISO 9606-1 as evidence of manual skills for limited ranges

Access conditions: It is presumed that the welder has received training and/or has industrial practice within the range of qualification Degree: DVS Welder's qualification test certificate according to ISO 9606-1

## International Welder

according to DVS-IIW/EWF 1111 (IAB-089), for the fillet, plate and/or tube welder levels including a welder's qualification test according to ISO 9606-1, comprehensive theoretical and practical training with an internationally recognised diploma for more flexibility in the production

Access conditions: None, metal technology training recommended Degree: DVS/IIW/EWF welder diploma and DVS Welder's qualification test certificate according to ISO 9606-1

### **Professional Training:**

Specialist for Metal Technology (in the field of Design Technology) Entry into joining technology close to practical needs!

(Direct access to the "International Welding Specialist" qualification is possible after at least three years of experience in welding related activities.)



Great opportunities for your professional future: www.dvs-perszert.de











