



# **Guide for the Training and Qualification of Welding Personnel: Level II—Advanced Welders**



**American Welding Society**

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# Guide for the Training and Qualification of Welding Personnel

## Level II – Advanced Welders

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### Abstract

This guide contains information to assist education and training facilities in the development and administration of competency-based training that leads to the qualification and certification of trainees in accordance with the requirements of AWS QC11, *Specification for the Qualification and Certification for Level II – Advanced Welders*. Included are sections on curriculum and qualification guidelines, as well as recommendations for facility planning, materials, equipment, and tools.



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## 1. General

**1.1 Scope.** This guide establishes a minimum skill standard defining training and qualification requirements that are necessary for Participating Organizations to develop and administer a Level II – Advanced Welder Program in accordance with AWS QC11, *Specification for the Qualification and Certification for Level II – Advanced Welders*. This Guide is intended to specify a credible path for post-secondary or employer-based training facilities to build new programs and/or enhance existing programs to administer Level II – Advanced Welder training and qualification. Use of this guide is voluntary. Participating Organizations desiring to certify a trainee as an AWS Certified Level II – Advanced Welder shall consider the training and qualification guidelines within this document as mandatory requirements under the requirements of AWS QC11. Further, Participating Organizations may elect to use, or become, AWS Accredited Test Facilities under the requirements of AWS QC4, *Standard for Accreditation of Test Facilities for AWS Certified Welder Program* and qualify advanced welders according to the requirements of AWS QC7, *Standard for AWS Certified Welders*.

### 1.2 Objectives

**1.2.1** Provide training facilities with an industrial awareness of the occupational description, conditions, task listing, and profile that encompasses the job classification of Level II – Advanced Welder.

**1.2.2** Establish a broad competency-based curriculum detailing the minimum acceptable skill requirements for the training and qualification of advanced welders.

**1.2.3** Provide training facilities participating in the certification of advanced welders with a list of learning objectives and learning activities necessary to accomplish Level II – Advanced Welder training.

**1.2.4** Provide training facilities participating in the certification of advanced welders with the references needed to compare existing or new curriculum with the AWS documents specified in this guide.

**1.2.5** Provide training facilities participating in the certification of advanced welders with information related to the administration of Level II – Advanced Welder, written examination, workmanship qualification testing, and performance qualification testing.

**1.2.6** Provide training facilities participating in the certification of advanced welders with information related to optional AWS QC11, *Level II – Advanced Welder Program* requirements for performance qualification tests administered at an AWS QC4, *Accredited Test Facility* through the AWS QC7, *Certified Welder Program*.

### 1.3 Requirements

**1.3.1** Unless the secondary, post-secondary or employer-based training facility elects to become a Participating Organization under the requirements of AWS QC11, *Specification for Qualification and Certification for Level II – Advanced Welders*, use of this document is voluntary.

**1.3.2** Participating Organizations shall meet the requirements of AWS QC11, *Specification for Qualification and Certification for Level II – Advanced Welders*.