

# Course Guide

Online & Blended Learning

International Institute  
of Welding (IIW)

## International Welding Engineer

## Your Pathway to Career Success

Covering all aspects of welding, an IWE qualification can reward you in significant ways. This qualification can boost your earning potential, help give you better job stability and make you the preferred candidate for large-scale welding projects around the globe. Plus, qualification demonstrates to employers that you are dedicated to continually learning and growing in your field—qualities that are essential for success in team leadership roles, or for more complex jobs.

With Australian Standards placing more and more importance on the role of Welding Engineers, it is envisaged that IWE qualification will be in more demand in the coming years.

### Your Career Path

An IWE qualification expands your career horizons enormously. Defence contractors are on the hunt for Welding Engineers to undertake work on naval vessels and armoured vehicles. Companies seeking certification to AS/NZS ISO 3834 need Welding Engineers to fill the role of Responsible Welding Coordinator. Oil and gas companies need Welding Engineers to adhere to the revised version of AS/NZS 2885.2. Welding Engineers can work in fields as diverse as structural steelwork, bridges, pressure vessels, pipelines, storage tanks, offshore structures, ship building and repair, and power generation.

### Job Description

As an IWE, you may have overall responsibility for managing, supervising, coordinating and overseeing all company welding activities. You will be authorised to sign on behalf of your company in all welding quality matters, and to verify that your company has complied with all relevant quality considerations in production of welded products and materials.



“The practical and theoretical knowledge of the trainers was excellent, the opportunity to draw on their knowledge was fantastic.”

## Course Overview

Successful completion of this course will see you obtain the globally recognised International Institute of Welding (IIW) – International Welding Engineer (IWE) qualification.

You will gain comprehensive knowledge of welding processes, equipment, materials and their behaviour during welding, construction and design, and fabrication application engineering. As such, IWE certification is a strong addition to your career portfolio—it clearly demonstrates to current and future employers that you possess advanced welding knowledge and experience. Designed to provide an interesting and stimulating industrial perspective, the course is supported by a broad range of major industry groups and hundreds of Australian companies.

## Course Delivery

The IWE course is a blended learning program featuring pre-recorded material, live online lectures, and other learning resources, supported by innovative, hands-on practical exercises. The face-to-face training is delivered on campus at TAFE NSW Wollongong campus. All our presenters are International Welding Engineers or Technologists with extensive industry experience.



“Excellent, hands-on training.”



## Course & Exam Costs

Course and exam cost details include:

- Modules can be paid for individually (conditions apply)
- Exams are not conducted as part of the course and incur an additional cost. You will need to enrol for exams separately by contacting Weld Australia. Please note that exams are held on a different date to the course
- Visit the Weld Australia website for current course costs: [www.weldaustalia.com.au](http://www.weldaustalia.com.au)

## Entry Requirements

The entry requirements for the IWE course are:

- Bachelor of Engineering (or related discipline); or
- Chartered Professional Engineer with Engineers Australia or IPENZ; or
- Equivalent overseas qualifications or recognition (contact Weld Australia for more information)

To confirm your eligibility, you will need to supply:

- Certified copies of qualifications and transcripts
- Resume detailing your welding experience
- Photo identification

## Diploma & Certification

Upon successful completion of this course, you will receive an IIW IWE Diploma. Once you have three years experience, you can then apply to become an IIW Certified International Welding (CIWE).

## Course Content

The IWE course includes 4 x 5 week modules of theory (each consisting of 2 x 3 hour lectures per week), plus a 5 day face-to-face practical session in Wollongong:

- ✓ Welding Processes and Equipment
- ✓ Materials and their Behaviour During Welding
- ✓ Construction and Design
- ✓ Fabrication and Applications Engineering
- ✓ 5 day face-to-face practical session

## Course Assessment

To be awarded the IWE qualification, you must successfully pass: four written exams with a minimum grade of 60% in each exam; and an oral exam. If you average a grade of greater than 75% over the four exams, you will be exempt from the oral exam. You may need to re-sit exams (at an additional cost), but may do so only up to two times.

## Further Information

For further information, or to enrol in a Weld Australia training course, please contact:

W: [www.weldaustralia.com.au](http://www.weldaustralia.com.au)  
E: [training@weldaustralia.com.au](mailto:training@weldaustralia.com.au)  
T: +61 2 8748 0100  
A: Building 3, Level 3  
20 Bridge Street  
Pymble, NSW 2073



## Weld Australia Training & Certification

Weld Australia delivers a comprehensive range of training and certification services, all of which are designed to help Australian welders and fabrication companies achieve and maintain a competitive advantage.

As the premier welding certification body in Australia, an International Institute of Welding (IIW) Authorised Nominated Body (ANB) and an Authorised Training Body (ATB), Weld Australia offers a range of individual certifications, including:

- ✓ Welding Inspector
- ✓ Welding Specialist
- ✓ Welding Technologist
- ✓ Welding Engineer
- ✓ AS1796 Welding Supervisor Certificate 10
- ✓ AS2214 Welding Supervisor

