

# Course Guide

International Institute  
of Welding (IIW)

## International Welding Inspector Standard



## For A Rewarding, Engaging Welding Career

An IWI S qualification offers significant rewards. In many ways, becoming a Senior Welding Inspector is more than just a rewarding career—it involves great responsibility and requires remarkable skills to help maintain the highest levels of weld quality. This certification can lead to a career that is both engaging and promising. If what you want is a stable career in which you will thrive and find fulfilment, then the IWI S qualification may be for you.

Plus, IWI S 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 projects.

### Your Career Path

An IWI S qualification expands your career horizons enormously. This qualification for Welding Inspection Personnel is recommended in both AS/NZS ISO 3834 and AS/NZS 1554.1.

Senior Welding Inspectors play an important role in any effective welding quality control program. A Senior Welding Inspector is responsible for ensuring all the manufacturing steps have been completed to the highest standards possible.

### Job Description

As a Senior Welding Inspector, you will play an important role in performing, supervising and overseeing welding inspection activities in line with the relevant International and Australian Standards, codes and client specifications. You will also be responsible for developing and supervising inspection activities for conventional applications with reference to materials, processes, and advanced destructive testing and non-destructive testing techniques.



“This is the second IWI course I have taken and on both accounts I have been very impressed with the presenters. The level of knowledge from all the teachers is impressive.”

## Course Overview

Successful completion of this course will see you obtain the globally recognised International Institute of Welding (IIW) – International Welding Inspector Standard (IWI S) qualification. This course provides advanced knowledge of welding and inspection theory and application, including NDT, mechanical and visual inspection techniques, inspection procedures and acceptance criteria, identification of weld imperfections associated with pre-production, fabrication and post fabrication, and more.

IWI S certification is a strong addition to your career portfolio—it clearly demonstrates to current and future employers that you possess advanced welding knowledge, essential to ensuring the highest levels of workmanship. 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 IWI S course features face-to-face teaching over eight days, supported by a range of innovative, hands-on practical exercises. The course is delivered in two parts; part one runs for five days, while part two runs for three days. All our presenters are International Welding Engineers or Technologists with extensive industry experience.



“Relevant, well presented and engaging.”



## 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.weldaustralia.com.au](http://www.weldaustralia.com.au)

## Entry Requirements

The entry requirements for the IWI S course are:

- Training Pathway One (TP1): You must hold an IIW ANB approved welding qualification, or an International Welding Specialist (IWS) Diploma
- Training Pathway Two (TP2): You must hold an AS 1796 Certificate 10 or AS 2214 Welding Supervisor Certificate or equivalent; or hold Weld Australia CWI or IWI B certification, plus 24 months experience as a welding inspector

To confirm your eligibility, you will need to supply:

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

## Diploma & Certification

Upon successful completion of this course, you will receive an IIW IWI S Diploma. Once you have three years experience, you can apply to become a Weld Australia Certified Senior Welding Inspector (CSWI).

## Course Content

With a duration of eight days, the IWI S course includes six modules, plus practical training:

- ✓ General Introduction to Welding Inspection
- ✓ Mechanical Testing on Welded Joints
- ✓ Weld Imperfections
- ✓ Testing Methods
- ✓ Quality Assurance
- ✓ Management of Inspection Function

## Course Assessment

Once you complete all course modules, you can sit the relevant exams. If you applied through TP1, you must sit the B6, C5 and C3 exams. If you applied through TP2, you must sit the WTS, B6, C5 and C3 exams. To satisfy the IIW requirements for IWI S registration, you must achieve a minimum mark of 60%. 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

