



IQS International (Pty) Ltd

CSWIP 3.1 WELDING INSPECTION COURSE

Rev 05

The CSWIP Welding Inspector course is designed for inspection engineers and supervisory staff. Those with little or no previous welding experience are advised to attend the [Certificate in Visual Inspection of Welds](#) course to prepare for this course.

The eLearning material for this CSWIP Welding Inspector Online course **cuts down the classroom-based training days to a minimum**. The eLearning material and classroom based course are combined to ensure the learner not only understands the theoretical subjects, but also prepares the learner for the examinations.

The online material, as detailed below, covers **the theory element of the course**.

The material will be provided after you log on the site and a tutor will be assigned to help with any questions may have.

What will I learn?

- With the online learning material, you can work through the 26 sections of this CSWIP Welding Inspector Online Course, at your own pace as you are given 60 days access with potential for extended access.
- You will be able to download the course notes, see and hear presentations, video, attempt course questions and work with an assigned tutor who will be there to support you along the way.
- The course will be marked as complete once all of the sections have been completed and the homework has been passed, your tutor will advise of this.
- On completion, there will be a further requirement for you to attend a 1 day's classroom and practical training followed by a 1 day examination for those qualifying.
- Prior to the examination, if that is required, you will be able to go back and revise the sections in preparation for your days practical and examination, anytime during the 60 day period and this may be extended upon request.

The 26 sections cover:

Introduction; what have you brought to the party; Duties of a welding inspector; Terminology; Imperfections; Plate inspection, acceptance criteria and questions and **then Homework 1**.

Weldability; Materials inspection; Residual stress and distortion; Welding process (video); Welding processes and **then Homework 2**.

Thermal cutting; Heat treatments; Macro inspection; Weld symbols; Weld repairs; Destructive testing (video); Destructive testing; Codes and standards; NDT (video); NDT; Welding safety and **then Homework 3 followed by Mock examinations**.

This course will teach you the duties and responsibilities of a welding inspector including fusion welding processes, typical weld defects, types of steel (including carbon-manganese, low alloy and stainless steels), the hardening of steels, weldability, heat treatment, and parent metal defects. The programme also includes visual inspection, the testing of parent metals and welds, and destructive and non-destructive test techniques. You will also learn welder and procedure approval, codes and standards, and an outline of safe working practices.

How soon can a learner receive materials prior to sitting an exam?

For the online training materials, once they have paid, they will be given a link and a password which will be allocated by UK staff. All of the materials are contained on our virtual academy which they may download.

What is the minimum period?

Students are given access for a period of 60 days for the online learning but extensions can be applied depending on the situation at the time

How is learning progressively monitored, by whom and what feedback is given to each learner?

Learning is progressively monitored through a series of 26 sections. Each section has to be completed before the student moves onto the next section. 3 homework question sets are built into the sections followed by a final mock examinations. Additionally, a tutor is assigned to each student who will be available for any questions etc. contact details are supplied.

What is the required minimum classroom attendance required for each course?

The 3.1 Online is designed to deliver 3 days of training. The student will be required to attend a 2 day's classroom and practical event (3.1 example) followed by a 1 day examination. Completion of the online course plays a critical part to ensure you are well prepared for the classroom training and examinations.

What is the minimum number of learners required to attend examinations?

We require a minimum of 8 bookings

Do the candidates still get hard copies of course notes and can we issue them prior to classroom attendance?

We do not provide a hard copy; a copy can be printed from the PDF.

What do I need to bring with for the exam?

- Vision certificate (reading a minimum of Times Roman N4.5, or equivalent type and size letters, at not less than 300mm on a standard test chart for near vision, in at least one eye, corrected or uncorrected) Please use the Vision Test attached.
- 2 passport size photographs (signature behind).

What else should I know?

CSWIP Welding Inspector examination - All candidates must attend a CSWIP approved course of training prior to examination. Enrolment on this course does not constitute reservation of an examination. All courses may be followed by a CSWIP Welding Inspector examination for candidates with appropriate experience - as specified in CSWIP document WI-6-92

ENTRY REQUIREMENTS

- Welding Inspector for a minimum of 3 years with experience related to the duties and responsibilities listed in Clause 1.2.2 of CSWIP document WI-6-92, under qualified supervision, independently verified **OR**
- Certified Visual Welding Inspector for a minimum of 2 years with job responsibilities in the areas listed in 1.2.1 and 1.2.2 of CSWIP document WI-6-92 **OR**
- Welding Instructor or Welding Foreman/Supervisor for a minimum of one year



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In addition to all the above, candidates must comply with Clause 1.3.4 of document WI-6-92 available at www.cswip.com

All experience will need to be verified by either your previous/present employer/company.

BOOK THE ONLINE LEARNING NOW!

Fee: **£1235**

To enroll please complete and return pages 1 to 4 of enrolment form and return to: gadocs@iqsint.com or TWItraining@iqsint.com

What happens next?

When you have booked your course, you will receive an email notification with your login details for the Online Learning. You will then have 60 days to complete your distance-learning course.

Classroom and Exam dates – Please refer to IQS CSWIP Welding Inspection Course Schedule

For More information, please contact us on:



WhatsApp - 079 586 4581

Office Tel: +27 (0)11 894 1987; (08h00-16h00)

TWItraining@iqsint.com

Training Venue: IQS Training Facility, 22 Dakota Road, Impala Park, Boksburg, 1459
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