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CSWIP 3.2.1 & 3.2.2 SENIOR WELDING INSPECTION COURSE + BRIDGING FROM SAIW L2

Rev 07

The CSWIP Senior Welding inspector is designed for those in a supervisory or quality control role. The access conditions are that you must hold a valid Welding Inspector qualification and to have held it for a minimum of two years. There are other routes which can be qualified by going to the CSWIP website at www.cswip.com.

The **eLearning material** for this CSWIP Senior 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 you may have.

What will I learn?

- With the online learning material, you can work through the 23 sections of this CSWIP Senior 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's have been passed, your tutor will advise of this.
- On completion, there will be a further requirement for you to attend a 2 day classroom 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 day's refresher and examination, anytime during the 60 day period and this may be extended upon request.

The 23 sections cover:

- How to use a specification followed by questions
- Welded joint design and weld symbols then *Homework 1*
- Weldability; brittle and fatigue failures and evaluate NDT reports then *Homework 2*
- Welding procedures, residual stress and distortion, heat treatments and weld repairs then *Homework 3 and 4* followed by *mock examination*.

This course will teach you about QA and QC as well as destructive testing, heat treatments, welding procedures, welding dissimilar and residual stress and distortion. The programme will also cover weldability, weld fractures, weld repairs, welding consumables, and welding symbols. In addition, the Senior Welding Inspection course will look into non-destructive testing, specifications, joint design, HSLA and quenched tempered steels, arc energy, and heat input.

This course offers 16 different subjects, so good prior knowledge and preparation will offer you a significant advantage before attempting the course and examinations. Since this course builds on the CSWIP Welding Inspector course, it is advised that applicants refresh their knowledge by revising the material from this course too. You may also wish to increase or revise your knowledge through reading one or more of these welding handbooks:

- Jeffus Welding Principles and applications
- A C Davies The science and Practice of Welding & the Practice of Welding
- AWS Welding Handbook Volumes One and Two

FAQ

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

For the online training materials, once they have payed, 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.



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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 23 sections. Each section has to be completed before the student moves onto the next section. 4 homework question sets are built into the sections followed by a final mock examination. 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 learning for the 3.2 is designed to deliver 3 days of training. The student will be required to attend a 2 day classroom and practical event followed by a one 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).

3.2.1 CSWIP Senior Welding Inspector & SAIW L2 Bridging exam consists of:

- General paper: 30 multiple choice questions. Time allowed: 45 minutes.
 - Scrutinize a technical drawing and answer 10 multiple choice questions. Time allowed: 30 minutes
 - Scrutinize and comment on four NDT inspection related documents and answer 40 multiple choice questions. Time allowed: 75 minutes.
 - Scenario: 60 multiple choice questions. Time allowed: 150 minutes.
- Total Time: 5 Hours

3.2.2 CSWIP Senior Welding Inspector exam consists of:

- Theory Part: 20 multiple choice questions. Time allowed: 30 minutes
 - Practical Part: 10 RT Images, with 5 multiple choice questions each. Time allowed: 100 minutes.
- Total Time: 2 Hours 10 Minutes

What else should I know?

- 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. See CSWIP document available for download from the CSWIP website
- 3.2.2 Supplementary exam - Although this course covers most of the syllabus for the examination it does not include training in interpretation of radiographs and associated theory.

ENTRY REQUIREMENTS

- To join this course you must have been a Certified Welding Inspector for a minimum of 2 years with job responsibilities in the areas listed in 1.2.1, 1.2.2 and 1.2.3 of CSWIP document WI-6-92.
- Alternatively, you should have 5 years' authenticated experience related to the duties and responsibilities listed in Clause 1.2.3 of CSWIP document WI-6-92, independently verified.
- **All candidates must hold a valid CSWIP 3.1 Welding Inspector certificate.**
- In addition to the above, candidates must comply with Clause 1.3.4 of document WI-6-92 available at www.cswip.com.
- SAIW L2 Certificate for Bridging

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



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BOOK NOW!

Classroom and Exam dates – Please refer to [IQS CSWIP Welding Inspection Course Schedule](#)

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.

For More information, please contact us on: TWItraining@iqsint.com

Office Tel: +27 (0)11 894 1987; (08h00-16h00) WhatsApp - 079 586 4581 (08h00-16h00)

Training Venue:

IQS JHB, 22 Dakota Road, Impala Park, Boksburg, 1459

IQS Cape Town, 31a Carlisle street, Paarden Eiland, Western Cape.



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