



## CSWIP Welding Inspector

### Dates/venues/fee

The up-to-date programme is available at [www.twitraining.com](http://www.twitraining.com)

### Duration

5 days

### Suitable for

Inspection engineers and supervisory staff. The course is ideal for inspectors requiring preparation for the CSWIP examinations – Welding Inspector.

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.

### 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 5 years

In addition to all the above, candidates must comply with Clause 13.4 of document WI-6-92 available at [www.cswip.com](http://www.cswip.com).

Experience will need to be verified by either your previous/current employer/company.

### Certification/Awarding Body

CSWIP

### Course content

The duties and responsibilities of a welding inspector; fusion welding processes; typical weld defects; types of steel; carbon-manganese, low alloy and stainless steels; hardening of steels; weldability; heat treatment; parent metal defects; visual inspection; testing parent metals and welds; destructive tests; NDT techniques; welder and procedure approval; codes and standards; outline of safe working practices; practice in examination questions; continuous and end-of-course assessment. In addition, candidates meeting the CSWIP requirements for eligibility complete the relevant CSWIP examination on day 5.

In addition, candidates can purchase TWI's online CSWIP Welding Inspector Pre-Learning package which prepares them for the course.

### Objectives

- To understand factors which influence the quality of fusion welds in steels
- To recognise characteristics of commonly used welding processes in relation to quality control
- To interpret drawing instructions and symbols to ensure that specifications are met
- To set up and report on inspection of welds, macrosections and other mechanical tests
- To assess and report on welds to acceptance levels
- To confirm that incoming material meets stipulated requirements and recognise the effects on weld quality of departure from specification
- To be in a position to pass the Welding Inspector examinations

### Additional information

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.

All CSWIP documents are available at [www.cswip.com](http://www.cswip.com).