

SAIW Welding and Fabrication Inspector Level 1

INCORPORATING IIW IWIP BASIC LEVEL

The SAIW Level 1 course introduces candidates to welding processes, its applications, advantages and disadvantages as well as typical defects. It also introduces candidates to materials technology and the impact of welding on material properties. Visual inspection, quality assurance and quality control and welder code approval are covered in level 1.

This course has been in existence for over 40 years and has been continually refined to meet industry requirements. The course has been refreshed and refined to ensure it is completely up to date and will deliver more comprehensive knowledge than ever before. This is a result of amalgamating the SAIW Welding and Fabrication course with the IIW IWIP Basic course creating a world-class course.

STUDENTS WILL COVER SOME OF THE FOLLOWING TOPICS

ASME VIII visual inspection aspects

AWS D1.1 Welder Qualifications

ASME IX Welder Qualifications

NDT Reports

Upon successful completion of the SAIW Welding and Fabrication Inspectors level 1, the candidate will be issued with the SAIW Welding and Fabrication Inspectors Level 1 qualification certificate and the IIW IWI Basic Diploma. (Please refer to the IIW IWI-basic requirements below)

IIW IWI-Basic requirements:

According to the International Approvals Board (IAB) guidelines for the requirements for International Welding Inspector – Basic level, the practical part of the final examination is divided into two parts, one of which tests the competence of the candidate undertaking a range of inspection tasks. The second part will be an oral interview/examination to assess the candidate's comprehension of the tasks involved and written results & reports. The oral examination will test the candidate's understanding and interpretation of international quality standards and focuses on the quality aspects of international standards, and quality related documentation, such as control manuals.

Once a student completes the Level 1 training, they may progress onto the SAIW Welding & Fabrication Inspectors Level 2 course. The progression will enable students to enhance their curriculum vitae.

SAIW Welding and Fabrication Inspector Level 1



COURSE INFORMATION

ENTRY REQUIREMENTS

1. Matric with Mathematics or Science OR
2. Successful completion of SAIW's Welding Quality Control course OR
3. Two years professional welding related experience OR
4. Grade 10 plus a pass in a SAIW proficiency test

COURSE OUTLINE

WEEK 1

- Terms & Definitions
- Welding Processes
- Welding Defects

WEEK 2

- Materials including Mill certificate
- Welding Symbols
- Visual Inspection
- Inspection Reports

WEEK 3

- Welder Qualifications
- Welding Safety
- QA/QC including quality control plans

WEEK 4

- Revision (3 days)
- Exam

COURSE DURATION

15 days + 3 days revision + 2 days exam

PRICING (Including VAT)

Corporate Member **R 46,000**

Non-Corporate Member **R 49,730**



COURSE SCHEDULE | SAIW Welding & Fabrication Inspectors Level 1

JOHANNESBURG							
WEEK	COURSE INFORMATION	HRS	JHB 1	JHB 2	JHB 3	JHB 4	JHB 5
1	Terms & Definitions Welding Processes Welding Defects	40	17 - 21 Jan	07 - 11 Feb	09 - 13 May	01 - 05 Aug	05 - 09 Sep
2	Materials, Welding Symbols Visual Inspection Inspection Reports & Regulations	40	07 - 11 Feb	07 - 11 Mar	06 - 10 Jun	29 Aug - 02 Sep	03 - 07 Oct
3	Welder Qualifications Welding Safety QA/QC	40	07 - 11 Mar	04 - 08 Apr	04 - 08 Jul	26 - 30 Sep	31 Oct - 04 Nov
4	Revision (3 days) Exam	24	04 - 06 Apr	09 - 11 May	01 - 03 Aug	24 - 26 Oct	28 - 30 Nov
Examinations Technology Inspection Practical			07 - 08 Apr	12 - 13 May	04 - 05 Aug	27 - 28 Oct	01 - 02 Dec



Please note that any comments, compliments or complaints related to:

1. Training can be forwarded to quality@saiw.co.za
2. Examination and Certification can be forwarded to quality@saiw.co.za

COURSE SCHEDULE | SAIW Welding & Fabrication Inspectors Level 1

DURBAN				
WEEK	COURSE INFORMATION	HRS	DBN 1	DBN 2
1	Terms & Definitions Welding Processes Welding Defects	40	31 Jan - 04 Feb	29 Aug - 02 Sep
2	Materials, Welding Symbols Visual Inspection Inspection Reports & Regulations	40	28 Feb - 04 Mar	26 - 30 Sep
3	Welder Qualifications Welding Safety QA/QC	40	28 Mar - 01 Apr	24 - 28 Oct
4	Revision (3 days) Exam	24	09 - 11 May	21 - 23 Nov
Examinations Technology Inspection Practical			12 - 13 May	24 - 25 Nov

COURSE SCHEDULE | SAIW Welding & Fabrication Inspectors Level 1

SECUNDA			
WEEK	COURSE INFORMATION	HRS	SEC 1
1	Terms & Definitions Welding Processes Welding Defects	40	23 - 27 May
2	Materials, Welding Symbols Visual Inspection Inspection Reports & Regulations	40	27 Jun - 01 Jul
3	Welder Qualifications Welding Safety QA/QC	40	25 - 29 Jul
4	Revision (3 days) Exam	24	22 - 24 Aug
Examinations Technology Inspection Practical			25 - 26 Aug

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CAPE TOWN				
WEEK	COURSE INFORMATION	HRS	CPT1	CPT2
1	Terms & Definitions Welding Processes Welding Defects	40	21 - 25 Feb	10 - 14 Oct
2	Materials, Welding Symbols Visual Inspection Inspection Reports & Regulations	40	28 Feb - 04 Mar	17 - 21 Oct
3	Welder Qualifications Welding Safety QA/QC	40	28 Mar - 01 Apr	14 - 18 Nov
4	Revision (3 days) Exam	24	04 - 06 Apr	21 - 23 Nov
Examinations Technology Inspection Practical			07 - 08 Apr	24 - 25 Nov

