

SAIW WELDING AND FABRICATION INSPECTOR LEVEL 1



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Please refer to contacts on page 28

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

- 1 ASME VIII visual inspection aspects
- 2 AWS D1.1 Welder Qualifications
- 3 ASME IX Welder Qualifications
- 4 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 alongside)



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 and 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.

SAIW welding and fabrication inspector level 1 + practical oral = IWIP/B

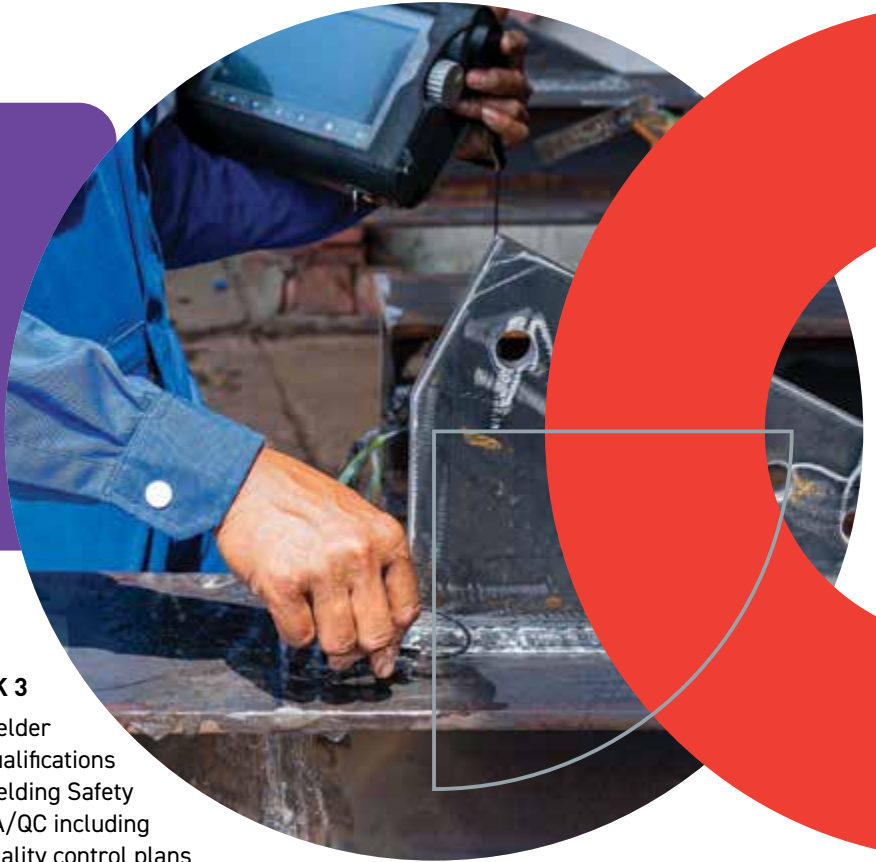
Once a student completes the Level 1 training, they may progress onto the SAIW Welding and Fabrication Inspectors Level 2 course. The progression will enable students to enhance their curriculum vitae.

SAIW WELDING AND FABRICATION INSPECTOR LEVEL 1

COURSE INFORMATION

ENTRY REQUIREMENTS

- 1 Matric with Mathematics or Science
OR
- 2 Successful completion of SAIW's Introduction to Inspection
OR
- 3 Two years professional welding related experience
OR
- 4 Grade 10 plus a pass in an 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



Scan this QR code to download the SAIW Course Prospectus App onto your cellular phone.

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COURSE DURATION

20 days + 3 days revision + 2 days exams

PRICING (Including VAT)

Corporate Member **R 47,500**
Non-Corporate Member **R 51,400**



COURSE SCHEDULE | SAIW Welding & Fabrication Inspectors Level 1

JOHANNESBURG

WEEK	COURSE INFORMATION	HRS	JHB 01	JHB 02	JHB 03	JHB 04
1	Terms & Definitions	40	15 - 19 Jan	15 - 19 Apr	08 - 12 Jul	30 Sept - 04 Oct
	Welding Processes					
	Welding Defects					
2	Materials	40	29 Jan - 02 Feb	06 - 10 May	29 Jul - 02 Aug	21 - 25 Oct
	Welding Symbols					
	Visual Inspection					
	Inspection Reports & Regulations					
3	Welder Qualifications	40	19 - 23 Feb	27 - 31 May	19 - 23 Aug	11 - 15 Nov
	Welding Safety					
	Quality Assurance/Quality Control					
4	Revision	24	11 - 13 Mar	24 - 26 Jun	09 - 11 Sep	02 - 04 Dec
	Examination - Technology	3	14 Mar	27 Jun	12 Sep	05 Dec
	Examination - Inspection	2,5				
	Examination - Practical Paper A	3	15 Mar	28 Jun	13 Sep	06 Dec
	Examination - Practical Paper B	2				

SECUNDA | DURBAN | CAPE TOWN

WEEK	COURSE INFORMATION	HRS	SEC 01	DBN 01	DBN 02	CPT 01
1	Terms & Definitions	40	22 - 26 Jan	04 - 08 Mar	30 Sep - 04 Oct	14 - 18 Oct
	Welding Processes					
	Welding Defects					
2	Materials	40	12 - 16 Feb	11 - 15 Mar	07 - 11 Oct	21 - 25 Oct
	Welding Symbols					
	Visual Inspection					
	Inspection Reports & Regulations					
3	Welder Qualifications	40	11 - 15 Mar	22 - 26 Apr	04 - 08 Nov	18 - 22 Nov
	Welding Safety					
	Quality Assurance/Quality Control					
4	Revision	24	15 - 17 Apr	06 - 08 May	11 - 13 Nov	25 - 27 Nov
	Examination - Technology	3	18 Apr	09 May	14 Nov	28 Nov
	Examination - Inspection	2,5				
	Examination - Practical Paper A	3	19 Apr	10 May	15 Nov	29 Nov
	Examination - Practical Paper B	2				