



# 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.

[www.saiw.co.za](http://www.saiw.co.za)

Please refer to contacts on page 26

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



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## Welding and Fabrication Inspector Level 1

Incorporating IIW IWIP Basic Level

STUDENTS WILL COVER SOME OF THE FOLLOWING TOPICS:



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 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

- ✓ Matric Maths and Science with a minimum 50% **OR**
- ✓ Successful completion of SAIW's Introduction to Inspection course **OR**
- ✓ Passed first year in an Engineering Diploma OR Degree (N4) **OR**
- ✓ IWS, IWT or IWE qualification

## 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

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## Welding and Fabrication Inspector Level 1

### Course duration:

20 days + 3 days revision + 2 days exams

### PRICING (Including VAT)

Corporate Member **R 42,800**

Non-Corporate Member **R 46,300**

### Course Schedule | SAIW Welding & Fabrication Inspectors Level 1

#### JOHANNESBURG

WEEK	COURSE INFORMATION	HRS	JHB 01	JHB 02	JHB 03	JHB 04	JHB 05	JHB 06
1	Terms & Definitions	40	20 - 24 Jan	10 - 14 Mar	05 - 09 May	23 - 27 Jun	11 - 15 Aug	29 Sep - 03 Oct
	Welding Processes							
	Welding Defects							
2	Materials	40	10 - 14 Feb	31 Mar - 04 Apr	26 - 30 May	14 - 18 Jul	01 - 05 Sep	20 - 24 Oct
	Welding Symbols							
	Visual Inspection							
	Inspection Reports & Regulations							
3	Welder Qualifications	40	03 - 07 Mar	12 - 16 May	09 - 13 Jun	04 - 08 Aug	15 - 19 Sep	10 - 14 Nov
	Welding Safety							
	Quality Assurance/Quality Control							
4	Welder Qualifications	40	24 - 26 Mar	02 - 04 Jun	30 Jun - 02 Jul	25 -27 Aug	06 - 08 Oct	01 - 03 Dec
	Welding Safety							
	Quality Assurance/Quality Control							
	Exam		27 - 28 Mar	05 - 06 Jun	03 - 04 Jul	28 - 29 Aug	09 - 10 Oct	04 - 05 Dec

#### SECUNDA | DURBAN | CAPE TOWN

Week	COURSE INFORMATION	HRS	SEC 01	DBN 01	CPT 01
1	Terms & Definitions	40	24 - 28 Feb	07 - 11 Jul	13 - 17 Oct
	Welding Processes				
	Welding Defects				
2	Materials	40	03 - 07 Mar	14 - 18 Jul	20 - 24 Oct
	Welding Symbols				
	Visual Inspection				
	Inspection Reports & Regulations				
3	Welder Qualifications	40	31 Mar - 04 Apr	11 - 15 Aug	17 - 21 Nov
	Welding Safety				
	Quality Assurance/Quality Control				
4	Welder Qualifications	40	07 - 09 Apr	18 - 20 Aug	24 - 26 Nov
	Welding Safety				
	Quality Assurance/Quality Control				
	Exam		10 - 11 Apr	21 - 22 Aug	27 - 28 Nov