

ABOUT IIW International Welder



Course Information

The International Institute of Welding (IIW) has adopted the International Welder (IW) programme to address the need for highly skilled welders and to achieve global harmonisation in the training, examination and qualification testing of welders.

Training and assessment in the IW programme are linked to the requirements of the international standard, ISO 9606 qualification testing of welders. The ISO 9606 standard is widely used in South Africa, but it is important to note that it is similar to other standards, which are relevant in South Africa, eg. ASME IX and AWS D1.1.

The IW programme provides a combination of theoretical knowledge and high-level practical skills assessed by tests of increasing difficulty and by theoretical examinations.

The programme is presented at three levels – fillet,

plate, and pipe welder. Trainees are required to start with fillet welding and must pass a practical competency test before progressing to the next level. Training periods for practical welding vary from person to person.

Experienced welders are not required to undertake unnecessary practical training and may enter the IW programme at any level subject to completing the relevant level practical qualification test including those required for lower levels. A welder fully competent in fillet, plate and pipe welding would undertake the practical test for all three levels and would then undertake only the relevant theory components.

It is important that at each level there is an associated level of theory, plus there may be process specific and material specific theory modules which are applicable.



Entry Requirements

- ✓ Good hand-eye coordination is the most important aspect to allow one to excel in welding
- ✓ Appropriate health as well as physical and mental capability is required to enter at Fillet Welder level
- ✓ Access to higher levels may be allowed upon passing of relevant theoretical examinations and demonstration of required practical skill





FAST TRACK

International Welder Qualifications

FOR EXPERIENCED WELDERS

The SAIW has launched an exciting new streamlined international welder qualification via a fast tracked IIW Standard Diploma for experienced welders.

The introduction of the new format IIW Standard Diploma means that experienced welders can supercharge their training process over one to two weeks including all training, the assessment (examination) and materials at a cost of around **R18 000**, an **88% cost saving!**

Why launch this type of training?

Most welders have developed a speciality and are highly experienced in one position and one area and do not want to or need to, go through the entire IIW programme again. They, therefore, require a focused qualification that recognises their specific area of expertise.

For example, a structural steel welder would prefer to focus on plate welding theory while tube welders in the petrochemical or power generation sectors are far more familiar with specialised tube welding which forms the bulk of what they do.

www.saiw.co.za

Please refer to contacts on page 26

FAST TRACK **International Welder Qualifications** **FOR EXPERIENCED WELDERS**

Focused, fast and cost-effective

The new streamlined option bypasses the need for experienced welders to go back to basics and complete the full course and provides the highly specialised knowledge and assessment to take experienced welders to the next level.

Upon completion of the course, students get an International Welder certificate which is proof of them having trained in a certain position, process and material.

Course structure & criteria

- The IIW Standard Diploma covers the theory behind a single welding process either fillet, plate or pipe in the form of lectures as well as written and practical tests. If these are passed the student receives an IIW Diploma and a Welding Certificate of record which provides unequivocal proof that the welder complies with the IIW standards.
- To access the course, a student must have been a full-time welder for at least two of the previous three years and possess a valid welder qualification certificate. They also need a CV with the endorsement from a current or previous employer to prove their experience.

Reasons to obtain the diploma

THE KEY BENEFITS OF OBTAINING THE IIW DIPLOMA ARE:

- Qualification in an international level of welding will make students much more marketable and increase their job prospects locally and allow them to apply for jobs overseas.
- Springboard for more advanced careers in welding inspection and coordination. These jobs add much needed depth of experience on welding projects at ground level and are higher level skills.

FUTURE FOCUS

The SAIW is committed to meeting the requirement from local industry for South African welders with internationally recognised qualifications who can add value to new and maintenance projects in the petrochemical, power generation and oil and gas industries, which will experience an investment boom.



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

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IIW INTERNATIONAL Welder

PRICING – TYPICAL DURATIONS

The estimated time required for the various processes and levels is shown below, but this is dependent on the individual's aptitude.

Should the individual complete a process and level early credit will be given to contribute to the next level or process.

Process	SMAW (MMA) Stick Welding		
Level	Weeks	Price	Price/ week/test
Fillet	10	R 59 980	R 5 998
Plate	10	R 61 450	R 6 145
Tube	6	R 40 400	R 6 733
Tests	6 Test Pieces		
Theory***	2	R 12 000	R 6 000
TOTAL	28	R173 830	R 6 208

GTAW (TIG) Argon Welding		
Weeks	Price	Price/ week/test
8	R 49 830	R 6 228
6	R 39 250	R 6 542
4	R 28 720	R 7 180
5 Test Pieces		
2	R 12 000	R 6 000
20	R 129 800	R 6 490

GMAW (MAG) & FCAW CO2 & Flux Core		
Weeks	Price	Price/ week/test
14	R 83 540	R 5 967
10	R 62 490	R 6 249
**4 or 8 Test Pieces		
2	R 12 000	R 6 000
26	R 158 030	R 6 078

*Refer to page 47. The total theory training is two weeks for fillet, plate and pipe; for all processes and materials.

**Depending on either process or both processes

***International Harmonised Examination

THE ABOVE PRICING INCLUDES

- ✓ Practical welding training
- ✓ Welder certification testing (coding)
- ✓ Theoretical training and examination fees
- ✓ IIW Diploma after successful completion of the course

A 25% surcharge is applied if the material is stainless steel or aluminium.

Should only a welder competency test be required, **R3 405** will be charged per welding process, per position, per material.

