

INTERNATIONAL WELDING TECHNOLOGIST (IWT)



COURSE INFORMATION

ENTRY REQUIREMENTS

- 1 National diploma in Engineering from a Technical University (Technikon) **OR**
- 2 Higher level Engineering qualification **OR**
- 3 IWS diploma with 6 years work experience as a Welding Coordinator at an appropriate level within 8 years after receiving the IWS diploma **OR**
- 4 N6 Mechanical Engineering with 5 years welding experience on Technologist level in the last 10 years.

COURSE OUTLINE

PRACTICAL

- The practical training component of the course is not intended to bring the skill of trainees to a specific competency level but is aimed at ensuring they are exposed to a number of different processes and are familiar with the reasons for typical defects arising during welding.
- Exemption is possible from the practical training module subject to a suitable CV showing experience with welding processes and is at the discretion of the Approved Training Body.

THEORY

- Welding Processes and Equipment including advanced welding processes.
- Materials and their behavior during welding including advanced materials.
- Construction and Design of welded fabrications.
- Fabrications, Applications Engineering covering welding standards & their use.

THIS COURSE IS INTENDED FOR

Engineering personnel with a National diploma in engineering or an equivalent qualification, intending to pursue a career in welding fabrication and for engineers working in site and workshop fabrication.



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Please refer to contacts on page 5

INTERNATIONAL WELDING TECHNOLOGIST (IWT)



The International Welding Technologist (IWT) course is aimed at equipping personnel with the necessary skills and technical knowledge for the planning, executing, supervising and testing of the tasks and responsibilities in welding fabrication.

Engineering personnel intending to pursue a career in welding fabrication should apply for this course. It is suitable for engineers working on site and in fabrication workshops, in manufacturing, EPCM companies and end users. The qualification is referenced as suitable for employees with welding coordination responsibilities in ISO 3834 and ISO 14731 standards addressing welding.

It is also an excellent qualification for Welding Coordination Personnel with the responsibility for confirming the acceptability of welding procedures used in welded fabrications.

COURSE DURATION

PRACTICAL 7 days | **THEORY** 37 days | **EXAMS** 16 hours

PRICING (Including VAT)

	Theory Only	Practical Only	Combined
Corporate Member	R 74,100	R 10,400	R 84,500
Non-Corporate Member	R 80,100	R 10,400	R 90,500

COURSE SCHEDULE | International Welding Technologist (IWT)

JOHANNESBURG			
WEEK	COURSE INFORMATION	HRS	JHB 01
	Practical Welding*	60	03 - 11 Jun
1	Welding Processes and Equipment	81	08 - 19 Jul
2	Materials and their Behaviour During Welding	96	12 - 27 Aug
3	Construction and Design	44	16 - 20 Sep
4	Fabrication, Application and Engineering	81	14 - 28 Oct
	Examination - Welding Processes and Equipment	3	12 Aug
	Examination - Materials and their Behaviour During Welding	3	16 Sep
	Examination - Construction and Design	3	14 Oct
	Examination - Fabrication, Application and Engineering - Open Book	2	11 Nov
	Examination - Fabrication, Application and Engineering - Closed Book	2,5	

* Practical training can be done at alternative dates provided the practical is completed in the calendar year in which the theory was completed. No practical exam is taken.

PLEASE NOTE

The practical component aims to provide a candidate with knowledge on the control of the different welding processes. The candidate will become familiar with the problems and typical defects associated with incorrect use of the different welding methods.

Exemption is available from the practical training module on application with a suitable CV showing experience with all the welding processes, subject to the discretion of the Approved Training Body.

