

**If you are interested in magnetism and would like to find out how magnetic fields are used to detect discontinuities in ferromagnetic material then Magnetic Testing is the place to start your career in NDT.**

Inspection techniques depend on the type of current being used to magnetise the material, whether the excitation current is maintained during the application of magnetic particles or not as well as nature of the magnetic field generated i.e. linear or circular.

In addition the technique description should also refer to the type of magnetic particles used to make indications visible.

The training course is based on general theory as well as sector specific applications relating, but not limited to, the following standards and specifications:

- ASME Boiler & Pressure Vessel Code - Section V - Subsection A - Article 1 & 7
- ASME Boiler & Pressure Vessel Code - Section V - Subsection B - Article 25
- ISO 9934 Parts 1 MT – General Principals
- ISO 9934 Parts 2 MT – Detection media
- ISO 9934 Parts 3 MT – Equipment
- ISO 12707 MT - Vocabulary
- ISO 17638 MT – Welds
- ISO 4986 MT – Castings
- ISO 23278 MT – Acceptance Levels

MAGNETIC TESTING - SAQCC NDT SCHEME (ISO 9712)   NON-DESTRUCTIVE TESTING - SURFACE METHODS												
NDT Method and Level	Industrial Sector	Product Sector / Category	Duration 1 day = 8 hours	Prices (Inclusive of VAT)			Course & Initial Exam Dates					
				Training & Initial Examination Non Members	Training & Initial Examination Members	Initial Certification						
Magnetic Testing Level 1	Pre- and in-service	MT 1.1 Forging (f)	Training 4 days	R 15 147	R 14 010	R 2 436	Course Code	MT 1 A - JHB 01	MT 1 A - JHB 02	MT 1 A - JHB 03	MT 1 A - JHB 04	MT 1 A - JHB 05
							Training	14 - 17 Jan	04 - 07 Feb	25 - 28 Feb	06 - 09 May	27 - 30 May
							Exam	18 Jan	08 Feb	01 Mar	10 May	31 May
							Course Code	MT 1 A - JHB 06	MT 1 A - JHB 07	MT 1 A - JHB 08	MT 1 A - JHB 09	MT 1 A - JHB 10
							Training	24 - 27 Jun	15 - 18 Jul	12 - 15 Aug	02 - 05 Sept	30 Sep - 03 Oct
							Exam	28 Jun	19 Jul	16 Aug	06 Sept	04 Oct
		MT 1.2 Castings (c)	Exam 1 day	R 15 147	R 14 010	R 2 436	Course Code	MT 1 A - JHB 11	MT 1 A - JHB 12	MT 1 A - DBN 01	MT 1 A - DBN 02	MT 1 A - DBN 03
							Training	28 - 31 Oct	25 - 28 Nov	21 - 24 Jan	03 - 06 Jun	02 - 05 Sep
							Exam	01 Nov	29 Nov	25 Jan	07 Jun	06 Sep
							Course Code	MT 1 A - CPT 01	MT 1 A - CPT 02	MT 1 A - CPT 03	MT 1 A - SASOL A	MT 1 A - SASOL B
							Training	14 - 17 Jan	27 - 30 May	04 - 07 Nov	25 - 28 Mar	01 - 04 Apr
							Exam	18 Jan	31 May	08 Nov	29 Mar	05 Apr
Magnetic Testing Level 2	Pre- and in-service	MT 2.1 Forging (f)	Training 4 days	R 15 147	R 14 010	R 2 436	Course Code	MT 2 A - JHB 01	MT 2 A - JHB 02	MT 2 A - JHB 03	MT 2 A - JHB 04	MT 2 A - JHB 05
							Training	11 - 14 Feb	11 - 14 Mar	08 - 11 Apr	03 - 06 Jun	22 - 25 Jul
							Exam	15 Feb	15 Mar	12 Apr	07 Jun	26 Jul
							Course Code	MT 2 A - JHB 06	MT 2 A - JHB 07	MT 2 A - JHB 08	MT 2 A - JHB 09	MT 2 A - DBN 01
							Training	19 - 22 Aug	14 - 17 Oct	11 - 14 Nov	02 - 05 Dec	01 - 04 Jul
							Exam	23 Aug	18 Oct	15 Nov	06 Dec	05 Jul
		MT 2.2 Castings (c)	Exam 1 day	R 15 147	R 14 010	R 2 436	Course Code	MT 2 A - CPT 01	MT 2 A - SASOL A	MT 2 A - SASOL B		
							Training	11 - 14 Mar	09 - 12 Sep	16 - 19 Sep		
							Exam	15 Mar	13 Sep	20 Sep		
							Course Code	MT 2 A - JHB 01	MT 2 A - JHB 02	MT 2 A - JHB 03	MT 2 A - JHB 04	MT 2 A - JHB 05
							Training	11 - 14 Feb	11 - 14 Mar	08 - 11 Apr	03 - 06 Jun	22 - 25 Jul
							Exam	15 Feb	15 Mar	12 Apr	07 Jun	26 Jul

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

1. Training can be forwarded to [quality@saiw.co.za](mailto:quality@saiw.co.za)
2. Examination and Certification can be forwarded to [quality@saiwcertification.co.za](mailto:quality@saiwcertification.co.za)