



**INSTITUTE OF ENGINEERING & TECHNOLOGY**

**A WORLD OF WISDOM & WORKMANSHIP**



# Course Prospectus

[www.willworth.in](http://www.willworth.in)

# A World of Wisdom & Workmanship

We have various courses and procedures crafted to enhance your skills and brighten your career.



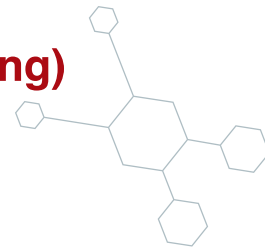
## ⬡ Beginner Course (Shielded Metal Arc Welding)

**Course Code: WD-1**

Duration: 8 weeks

**THEORY: 16 hrs. PRACTICAL: 100 hrs.**

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Designed for individuals with little or no experience in SMAW welding.

The course will cover welding safety, equipment setup and maintenance, electrode selection, and welding joint creation, providing beginners with the foundational knowledge and hands-on training needed to confidently perform basic SMAW welding tasks.

## ⬡ Comprehensive Training for SMAW and MIG (CTAM)

**Course code: WD-2**

Duration: 12 weeks

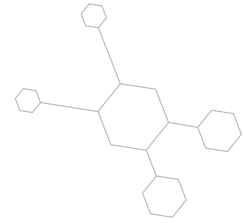
**THEORY: 24 hrs. PRACTICAL: 150 hrs.**

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Designed for students interested in pursuing SMAW and MIG welding techniques.

Covers welding safety, equipment setup and maintenance, electrode and filler wire selection, and welding joint creation, providing hands-on training to help students learn and master the fundamentals of SMAW and MIG welding. Upon completion of the course, students will have a strong understanding of both SMAW and MIG welding techniques.

## ⬡ **Comprehensive Training For SMAW and TIG (CTAT)**



**Course code: WD-3**

**Duration: 16 weeks**

**THEORY: 32 hrs. PRACTICAL: 200 hrs**

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This course is designed for students interested in mastering both SMAW and TIG welding techniques. The course will cover welding safety, equipment setup and maintenance, electrode and filler rod selection, and welding joint creation, providing hands-on training to help students develop advanced skills in SMAW and TIG welding. Upon completion of the course, students will have a strong understanding of both SMAW and TIG welding techniques, preparing them for a career in the welding industry with an emphasis on mastery of both methods.

## ⬡ **Welding Mastery (ARC, MIG & and TIG)**

**Course code: WD-4**

**Duration: 24 weeks**

**THEORY: 48 hrs. PRACTICAL: 300 hrs.**

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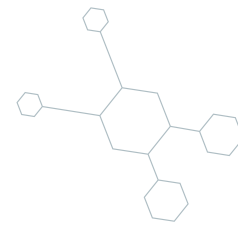
Designed for students seeking to master the combined welding methods of SMAW, TIG, and MIG.

Students will receive hands-on training in welding safety, equipment setup and maintenance, electrode and filler material selection, and welding joint creation, culminating in advanced proficiency in all three methods.

Upon completion of the course, students will be well-prepared for a successful career in the welding industry with advanced knowledge and expertise in multiple welding techniques.

**Job-Oriented-Special-Subjects included with all our Courses**

**Engineering Drawing • Safety Orientation  
Communicative English**



## **Training Program for Experts**

**Course code: WD-5**

Duration: 1-2 hours.

Designed to provide assistance and facilities to individuals who already possess welding skills but lack access to proper equipment and materials. The program aims to offer a safe and controlled environment for welding projects, allowing individuals to hone their skills and create quality welds with guidance and support.

## **Trade Tests**

We provide a safety ensured atmosphere for the purpose of testing. Video Recordings can be provided as evidence ensuring that the welding has been of high quality.

**Test Procedures are Classified according to the career requirements as below:**

Category	Position	Material
Pipe Welder – SMAW	6G	6" C. S. Pipe
Pipe Welder – SMAW / GTAW / GTAW + SMAW	6G	2" C. S. Pipe
Pipe Welder – SMAW	6GR / 5G	6" Pipe
Pipe Welder – GTAW	6G	4" C. S. Pipe
Pipe Welder – FCAW / GMAW	6G	6" C. S. Pipe
Plate Welder – SMAW	2G / 3G / 4G	Plate
Plate Welder – GTAW	2G / 3G / 4G	Plate
Plate Welder – FCAW / GMAW	2G / 3G / 4G	Plate
Tig Welder		C.S. Plate
Welding / Pipe Fitter Helper		Pipe
Fabricator (Duct / Plate / Structural / Pipe / Sheet Metal)	1G, 2G, 3G,	Pipe & Plate
Mig Welder	4G	Plate
Mig Welder	1F,2F,3F,4F	Plate
Welding Grinder		
Gas Welder / Low Pressure Pipe		
Gas Cutter		



## CONTACT US

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