



Tameside College

**Engineering
Fabrication and Welding
Applicant Study Pack**

Description of course:

During this course you will learn engineering health and safety, engineering principles, fabrication and welding, MMA/TIG/MIG, sheet metal work, fabrication of materials and pattern development for fabrication.

The course is split up in to six units which covers topics such as working in engineering; Engineering principles; Principles of fabrication and welding; Welding by Manual Metal Arc process; Welding by MIG process; Welding by TIG process and fabricating sheet metalwork.

Task One

1. What does HASAWA stand for?
2. What does PUWER stand for?
3. What does PPE stand for?
4. What does COSHH stand for?
5. Whose responsibility is it to provide work gloves and boots?

Task Two

1. What does ISO, BSI, BS and EN stand for?
2. Name three graphs/charts used in engineering?

3. Name three drawing software packages used in engineering?

4. Describe Orthographic projection?

5. Name three typical characteristics of a material?

Task Three

Watch the following video's and take notes, then answer the following question:

<https://www.youtube.com/watch?v=snyKGd4T-Zg>

https://www.youtube.com/watch?v=2ELkhLI_W4U

1. Which techniques are employed when vertical butt welding and vertical lap fillet welding?

What next?

- Visit our website – www.tameside.ac.uk for more information.
- Attend our Virtual New Students' Day.
- Make it official, join us for enrolment in August. Letters will be sent to all applicants at the end of July with more details.