A one day course that equips delegates with the basic principles of metallurgy, delves into some of the science behind metals and examines the applications of a variety of metals and alloys.

**Course Aims**

To provide industry professionals with a basic understanding of the terminology & fundamental principles of all aspects of metals processing & applications.

**Who Should Attend**

This course is aimed at professionals with little or no background in metals or materials science. A basic level of scientific understanding would be helpful. Typical attendees include; directors, financial & legal staff, human resources, marketing and sales professionals.

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The course was extremely well organised, informative, very useful and the notes excellent. I would recommend this course to any other person who wishes to understand the principles of metallurgy.

*James Rowley*
*W.H. Tildesley Ltd*

Gave me the level of understanding required when specifying and ordering materials.

*Stephen Gauld*
*H V Wooding*

An interesting and informative course, delivered at an easy pace.

*Alstom Power Services*

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**Contact Us**

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Learning Outcomes

- Explain the key properties of metals
- Discuss the pros & cons of various elemental metals & alloys
- Understand the winning & processing of ores into metals
- Discuss all shape forming processes
- Explain basic metal tests & specifications
- Match metals/alloys to a variety of applications
- Understand metallurgical terminology

Course Content

- Structure of metals and alloys
- Metal and alloy selection
- Manufacturing routes
- Getting the properties right
- Mechanical Testing
- Case studies
- Common engineering grades
- Standards
- Quality Assessment