Course aims

Delegates will be provided with a working understanding of metallic manufacturing processes used in production. The objective of the course is to enhance communications between departments within aerospace supplier organisations and up and down supply chains.

Who should attend

The course has been designed for staff with limited knowledge of aerospace materials and processes that need to interact with colleagues, suppliers and customers. It is equally suitable for staff specialising in some aspects of manufacture but are less knowledgeable in others.

Find out more: For further information please contact

T: 0114 222 4446   E: cpd@amrctraining.co.uk   W: amrctraining.co.uk
Casting processes
• Sand casting
• Investment casting
• Die casting

Forming processes
• Forging
• Rolling / Extrusion
• Superplastic forming

Heat treatment
• Annealing / Normalising / Hardening
• Precipitation hardening
• NADCAP

Machining and thermal joining processes
• Turning / Milling / Driling
• EDM, water and laser cutting
• Brazing, welding

Surface coatings
• Electroplating
• Vapour deposition processes
• Thermal spray processes

Additive manufacture
• Powder processing
• Powder bed processes
• Direct deposition processes

LEARNING OUTCOMES
• Communicate more effectively with colleagues, suppliers and customers.
• Appreciate the advantages and disadvantages of various casting and forming processes.
• Recognise the benefits of surface coatings.
• Gain a greater understanding of a wide range of machining and thermal joining processes.
• Understand the opportunities presented by additive manufacture.