

Duration: 2 days
14th & 15th October 2026
9.30am – 16.30pm

Venue:
**Venue: Dunston Business
Village, Stafford Road,
Stafford, ST18 9FJ**

Quality Coremaking and Core Assembly

What's in it for you?

Improve your understanding of the basic principles of Cores, Core Production and Assembly and the understanding to be able to make informed decisions to improve casting quality through the different technologies of making cores.

The course will focus on:

- Types of sand used in coremaking.
- Outline the binder configurations and production methods relating to Heat cured binder systems and Cold box binder systems.
- Mixing techniques, for different systems of coremaking.
- Describe coremaking techniques with reference to Volume. production of cores, Hand and Jobbing production of cores (small to medium batches), Additives used in coremaking and Coatings used in core production.
- Core sand testing, Permeability, scratch hardness, LOI, Tensile tests etc.
- Recognise core location, 'coring up' and securing methods.
- Describe the techniques of core assembly, trial fitting & mould closing.
- Recognise the methods of checking core locations and metal thickness.
- Quality issues with cores and causes of scrap.

Who should attend?

Core shop operators, charge hands, supervisors, technicians, new recruits and apprentices and all those looking to improve their knowledge of core making and assembly.

The course is also suitable for non-technical staff seeking to learn about the steps needed to produce quality cast components.

Price: ICME/CMF Member Price £500 pp plus VAT*
Non Member Price £600 pp plus VAT*

* Price includes attendance, drinks, lunches and Certificate

For more information, please email **ICME** at **training@icme.org.uk** to book your place or to request bespoke training for your organisation.

Help with Fees: Foundry Training Trust grant support will be available[†] towards the cost of the course. A grant of £250 is available towards the fees for this course. Additional grant funding is also available towards the costs of travel and accommodation. Visit **www.foundrytrainingtrust.uk** to contact the Clerk of the Trust for details and for the application form.

[†] Subject to application and Trustee approval.

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