

Characterisation for Formulation

University of Birmingham,
Centre for Formulation Engineering
16-18th March 2015
10 credits

The Characterisation for Formulation module examines a wide variety of techniques that are important for characterising the structure and quality of formulated products and the processes used to make them. Micromanipulation, positron emission particle tracking, particle image velocimetry and dynamic vapour sorption are just some of the methods studied. This module will introduce the wide range of characterisation methods that are available within Chemical Engineering. The module concentrates on techniques that students have not been exposed to at undergraduate level and the main emphasis is on characterisation of the microstructure of a product. The module will consist of lectures.

Delivery Method

3-day in-person taught course with assessment by assignment.

Learning Outcomes

By the end of the module the student should be able to:

- Explain how each piece of equipment operates
- Describe any necessary sample preparation
- List the advantages/disadvantages of each technique

Assessment

Assessment will be 100% coursework. The students will have to use any three of the techniques covered in the module to characterise the microstructure of a product of their choice.

Contact

To register please contact Helen Murray, HE Project Development Manager
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Eligibility

Qualifications

2.1 degree & A Level maths

Entry usually requires a good Honours degree, or equivalent if you were educated outside the UK.

Alternative experience

Case by case basis.

Any academic and professional qualifications or industrial experience you may have are normally taken into account, and in some cases form an integral part of the entrance requirement. If your qualifications are non-standard or different from the entry requirements stated in this prospectus, please contact Cogent to discuss whether your application will be considered.

Registration

Registration for this module is up until 6th March 2015.

The module begins 16th March 2015.

Costs

The cost of this module will be £770 per person