



Chemical Engineering for Scientists

24–28 March 2014, Shipley, UK

6–10 October 2014, Shipley, UK

Chemical Engineering for Other Engineers

11–13 November 2014, Shipley, UK

Understand the fundamental concepts and general philosophy of chemical engineering

Chemical Engineering for Scientists

24–28 March 2014

6–10 October 2014

Designed to provide chemists and other scientists working in the chemical and process industries with the opportunity to understand the basic concepts and general philosophy of chemical engineering. It aims to broaden the technology base of participants to enable improved communication with chemical engineers. The course is delivered by a team of experienced chemical engineers drawn from industry and academia.

Who will benefit?

- chemists
- physicists
- biologists
- pharmacists
- environmental scientists

Outline programme

What is chemical engineering?

Material and energy balances

Fluid flow

- basic concepts in fluid flow
- fluid transfer systems

Process heat transfer

- heat loss calculations
- heat transfer equipment

Reactor design

Basic mass transfer and mass transfer operations

- distillation
- gas absorption
- solvent extraction

Solids processing

Biochemical engineering

Electrostatic ignition hazards in chemical operations

Special features

The course programme includes an evening excursion to a local attraction with supper, and a course dinner, which will be held at the hotel midweek. Both are complimentary to delegates.

40 hrs

Maximum duration for CPD recording

Chemical Engineering for Other Engineers

11–13 November 2014

Engineers working in the chemical and process industries will be provided with an introduction to some of the main subject areas involved in chemical engineering, which are not normally included in other engineering disciplines. The course will broaden the technology base of participants to enable improved communication with chemical engineers. It may also provide the basis for a more detailed, in-depth study of chemical engineering.

Engineers who will benefit?

- instrumentation
- electrical
- maintenance
- plant
- project
- mechanical
- production
- control
- civil

Outline programme

What is chemical engineering?

Material and energy balances

Reactor design

Basic mass transfer and mass transfer operations

- distillation
- gas absorption
- solvent extraction

Solids processing

Electrostatic ignition hazards in chemical operations

20.5 hrs

Maximum duration for CPD recording

Course presenter

Professor Philip Bailes

Philip has organised many post-experience courses for both IChemE and individual companies. He is now an independent consultant but retains his association with the University of Bradford where he is Emeritus Professor of Process Engineering. His research on solvent extraction equipment and on the use of electrostatic methods for promoting the separation of water-in-oil emulsions has led to numerous scientific papers and patents.

Speakers

Lectures are delivered by a team of chemical engineers and both courses incorporate workshop sessions to enhance the learning experience. The speakers are chosen for their detailed knowledge of the various course topics and are all experienced lecturers.

In-company training

If you have several colleagues interested in this course, why not consider running it in-house?

For a quote or to discuss your requirements contact courses@icheme.org

"The course was delivered by knowledgeable, professional engineers and academics with industrial experience, which I feel was a very strong point."

J. Fox, Novartis

Venue

Marriott Hollins Hall Hotel, Baildon, Shipley, West Yorkshire, BD17 7QW, UK

Tel: +44 (0)1274 530053

Fax: +44 (0)1274 534251

www.marriott.co.uk

Fees

Chemical Engineering for Scientists

IChemE member £1550 + VAT

Non-member £1750 + VAT

Chemical Engineering for Other Engineers

IChemE member £1400 + VAT

Non-member £1650 + VAT

Discounts

Discounts are available to companies booking more than one place:

2 places – 5% discount

3 places – 10% discount

4 or more places – 15% discount

Multiple places must be booked at the same time to qualify.

How to book

Register for Chemical Engineering for Scientists at www.icheme.org/chemsci

Register for Chemical Engineering for Other Engineers at www.icheme.org/chemeng

Complete and return the registration form by email to ar@icheme.org or by fax to +44 (0)1788 560833

More details

Chemical Engineering for Scientists
Visit www.icheme.org/chemsci

Chemical Engineering for Other Engineers
Visit www.icheme.org/chemeng

Tel: +44 (0)1788 534431

Email: courses@icheme.org

Accommodation

Accommodation is not included in the delegate fee. If you need any help with booking a hotel, contact our agent, Trinity Conferences, on +44 (0) 1780 484050. Please quote IChemE when booking.

Registration form

Chemical Engineering for Scientists

Chemical Engineering for Other Engineers

Complete this form and return it by email to ar@icheme.org or by fax to +44 (0) 1788 560833

I wish to book a place on

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I am a member of IChemE: Yes No membership number:

Last name:

First name:

Title (Dr/Mr/Miss/Mrs/Ms/Prof/Eur Ing): Gender: Male Female

Work details – company:

EC VAT registration number:

Job title: Department:

Country: Post/zip code:

Address:

Town/city: County/state:

Direct telephone: Direct fax:

Email (for pre-course correspondence):

Data protection

In accordance with the Data Protection Act IChemE (and companies processing data on its behalf) will hold and use the data contained on this form for administration purposes, to keep you informed of its activities, and offer goods and services provided by the Institution.

If you would prefer not to receive IChemE product and service literature mark the box

If you would prefer not to receive emails on IChemE product and service literature mark the box The Institution is fully registered under the Data Protection Act as both a data user and a computer bureau.

Method of payment (payment must be received in full before the event date otherwise admission cannot be guaranteed)

Cheque enclosed (made payable to Institution of Chemical Engineers)
Send to IChemE, accounts department, Davis Building, Railway Terrace, Rugby, Warwickshire, CV21 3HQ, UK

Debit my credit/debit card: (payment in £ sterling only):

Cardholder name (as it appears on the card):

Billing address (if different from above):

.....

Cardholder's signature: Telephone number:

Visa Visa Debit MasterCard UK Maestro Solo AMEX

Card number:

Valid from date: / Expiry date: / Issue number: CVC code:

(3 digits on reverse of (debit card only) card or 4 digits on the front of AMEX)
This is mandatory for VISA and MasterCard

IChemE is a registered charity in England and Wales, and a charity registered in Scotland (SC 039661)

IChemE offices in Kuala Lumpur, London, Melbourne, Rugby, Singapore and Wellington

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Invoice my company quoting purchase order number:

Please note that a registration cannot be processed unless a copy of your purchase order is received with your registration form. Your booking will be confirmed by IChemE on receipt of either: an official purchase order or cleared funds. By submitting this form you have agreed to our terms and conditions and cancellation policy. Terms and conditions are available at: www.icheme.org/terms

Cancellation policy

Cancellations received in writing 28 days prior to the event will be subject to an administration charge of 10% of the fees plus VAT. No refunds will be given for non-attendance or cancellations received less than 28 days prior to the event. Substitutions are welcomed at any time. We reserve the right to cancel or alter the programme.

IChemE's VAT registration no is GB 661 5413 48