



# Analytical Chemistry with Business

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BSc(Hons)



**University of Brighton**

# Is this course for me?

## What will it help me achieve?



### Is this course for me?

Do you enjoy developing imaginative solutions to everyday problems? Would you like to develop your investigative, scientific and numerical skills and gain a valuable multidisciplinary qualification? If so, this course is for you.

- Analytical chemists with an understanding of modern business processes are in great demand by employers.
- This is the first degree in the UK to combine the study of analytical chemistry with business.
- Mathematical and transferable skills modules support learning throughout the degree.
- Optional final year modules may be chosen to complement either analytical chemistry or business.

- Leading researchers teach throughout the degree and supervise final year projects.
- Graduates are equipped for specialist scientific roles as well as graduate-level management programmes leading to a wide variety of careers.

### What will it help me achieve?

Analytical Chemistry with Business has been carefully designed to be intellectually stimulating whilst developing skills that meet the needs of employers. By the end of the degree you will have acquired:

- knowledge of the concepts and principles of analytical and chemical sciences, at the forefront of science in selected areas
- a well developed understanding of modern business processes and human interaction with them
- research skills suitable for postgraduate study
- confidence and competence in laboratory skills; including experimental design, practical conduct, presentation and evaluation
- knowledge of methods used to measure, analyse and improve the financial and operational performance of business organisations
- confidence in using knowledge and skills to research, analyse and solve scientific and business-related problems
- increased ability to find and communicate information clearly, and acknowledge and reference sources appropriately.

# Analytical Chemistry with Business

## BSc (Hons)

Analytical chemists are key players in many professional arenas ranging from forensics and nutrition, to environmental studies and space science. They generate accurate information to solve complex problems and communicate with a wide variety of audiences. Graduates equipped with these skills and knowledge of business have enhanced opportunities for success in commercial environments.

### Professional accreditation

This course was developed in consultation with industry and employers and has recognised status for admission of graduates to Associate Membership of the Royal Society of Chemistry (AMRSC)

### Course structure

The degree programme progresses from fundamental concepts to the latest research techniques combining theoretical knowledge with substantial practical experience. Approximately two thirds of the degree are focused on chemistry and analysis, and one third on business.

### Areas of study

The chemistry and analysis theme includes experimental design, data handling and modern instrumental techniques studied alongside traditional organic, inorganic and physical chemistry. The final year includes a laboratory-based analytical research project.

The business theme examines the internal functions of business and the external environment in which they operate. Modules include marketing, accountancy, economics and human resource management. The final year includes the option to specialise in the areas of either process management or entrepreneurship, both of which use case studies to provide practical insights into business development.

### Placement year

A sandwich placement may be taken in industry or within one of our research laboratories after year 2. Placements are supported both by an academic placement tutor and the faculty placements officer. Assistance with job searching, CV writing and applications as well as interview techniques is offered.

### Learning, teaching and assessment

The course uses a variety of teaching methods. Learning is promoted through interaction with academic staff during lectures, practicals, workshops and tutorials. This is supplemented by personal study which involves a mixture of guided study, free study and preparation for assessment. Assessment methods include reports, presentations, essays, case studies, written and oral exams. In combination these promote the development of specialist knowledge as well as transferable skills applicable to a wide range of jobs.

With our campus-wide social networking site, studentcentral will help you manage your workload and your social life – even before you arrive.

### Syllabus

#### Year 1

Analytical Chemistry • Core Chemistry • Economics and Accounting • Quantitative Skills • Study Skills

#### Year 2

Intermediate Analysis • Intermediate Chemistry • Human Resource Management • Marketing • Statistics Scientific Information

#### Optional sandwich placement year

#### Final year

Research Project • Advanced Analysis Advanced Chemistry • Entrepreneurship or Operations Management • Optional modules

## Key facts

### UCAS code F1N1

### Duration

Full-time 3 years  
Sandwich 4 years

### Location Moulsecoomb

### Typical entry requirements

individual offers may vary

**A-levels BCC.** A-level subjects must include chemistry. Applicants with only 2 full A-levels or a double award will be considered on an individual basis.

### International Baccalaureate

30 points, specified subjects

### QAA-approved access course

acceptable, subject-specific units.

### GCSE (minimum grade C) at least 3

subjects including English language and mathematics or a science.

### For non-native speakers of English

IELTS 6.0 overall, 6.0 in writing



### Career opportunities

University of Brighton graduates in chemical sciences are very successful in obtaining interesting and varied posts particularly in the pharmaceutical and chemical-related industries. This degree is an excellent foundation for careers in industry or for further postgraduate studies and research

### Find out more

School of Pharmacy and Biomolecular Sciences  
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pabsschooloffice@brighton.ac.uk

[www.brighton.ac.uk/pharmacy](http://www.brighton.ac.uk/pharmacy)

Cover image: Coloured Scanning Electron Micrograph (SEM) of clusters of microspheres. These spheres or beads are synthetically made to a variety of very exact sizes. They are used to calibrate optical and electron microscopes; either examined directly as samples or added to an unknown sample and used as an internal standard of size.

**This publication is available in alternative formats on request.**

**University of Brighton**

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