

Clinical Biochemistry - Standalone module

This course is for you if you need to 'top-up' your existing degree to become a registered biomedical scientist, or if you wish to obtain a comprehensive overview of the key concepts, techniques and current laboratory practice in clinical biochemistry. You will develop an understanding of the application, value and limitations of biochemical tests in clinical medicine, how biochemical tests are selected, and how they are interpreted, including the role biomedical science plays in the diagnosis, assessment and treatment of disease.

Location: Aston University, Birmingham

Course type

Part-time, Online / distance learning

Course format

No placements

Duration

Registration covers one academic year.

UCAS code(s)

N/A

Start date

Overview

Explore Clinical Biochemistry - Standalone module at Aston University

Here's for the ones who do things differently and carve out their own path

UK postgraduate loans are now open

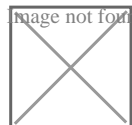
UK postgraduate loans have now opened. If you're starting a masters course on or after **1 August 2022**, you can apply for a postgraduate loan of up to **£11,836** to help with course fees and living costs.

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Clinical Biochemistry - Standalone module

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Teaching Excellence Framework Gold award logo

Key information, entry requirements and fees

Available via distance learning, this module allows you to develop your knowledge in key concepts, techniques and current laboratory practice used in clinical biochemistry. It is ideal if you wish to 'top-up' your existing degree to become a registered biomedical scientist, or if you are looking to take a course as part of your continuing professional development.

This module aims to provide you with a comprehensive overview of the key concepts, techniques and current laboratory practice in cellular biochemistry and will allow you to develop an understanding of the role the discipline of biomedical science plays in the diagnosis, assessment and treatment of disease.

This module will enable you to:

- Gain knowledge of the application, value, and limitations of biochemical tests in clinical medicine.
- Understand how biochemical tests are selected, and how they are interpreted.

On successful completion of this module you will be able to:

- Discuss and appraise the principles and organisational structure underlying the application of biochemical investigations to the diagnosis, treatment, and monitoring of disease.
- Discuss and evaluate the equipment, and the routine processes and methodologies used in clinical biochemistry.
- Critically appraise the application of biochemical tests to the investigation of the function and dysfunction of organs and systems.

Credit value: 10 credits.

Specific level: This is a Level 5 module, equivalent to a foundation degree.

Mode of delivery: Distance learning

Course type: Standalone module.

How to Apply:

All applications are made online using our online application form. You will be required to confirm the name for each of the Biomedical Science top-up modules you will be applying for by listing them in your personal statement. **This is a compulsory part of your application and missing information may result in a prolonged delay in processing your application.**

Our full list of available modules in this suite of courses includes:

- [Cell Biology](#)
- [Cellular Pathology](#)
- [Clinical Biochemistry](#)
- [Human Anatomy and Physiology](#)
- [Haematology and Transfusion Science](#)
- [Immunology](#)
- [Molecular Biology and Genetics](#)
- [Medical Microbiology](#)

For those who are taking this module in order to 'top-up' your existing degree for IBMS registration, please refer to our entry requirements for more details on IMBS set deadlines.

Start date: September 2023

Application deadline: 1st September 2023.

Duration: Registration covers one academic year. Course delivery is scheduled over approximately 10 weeks, with an examination in May. Although this will depend upon the individual, a typical student can expect to spend around five hours a week studying throughout the duration of the course delivery, with an additional 50 hours spent on directed learning and revision prior to the May examination, equivalent to around 100 hours of study in total.

Entry requirements

- In order to study this module you must have a non-accredited undergraduate degree in Biomedical Sciences or an undergraduate degree in a related field (such as biology or biochemistry).
- **Taking this module in order to 'top-up' your existing degree for IBMS registration:** Prior to registering for a top-up module (or modules) you need to contact the Institute of Biomedical Science. They will assess your degree in order to confirm that it is eligible for 'top-up' and to determine the additional subject areas in which you need further qualifications. We recommend you contact the IBMS by June in the year of application to ensure that you have confirmation of your module requirements in time to register for your modules with Aston University.
- **Degrees not eligible for Top-up:** If your degree is not eligible for top up but you still wish to become a registered Biomedical Scientist, we recommend that you apply to take our accredited [BSc Biomedical Science](#) undergraduate degree.
- **Undertaking this module for professional development:** No additional requirements apply.
- **International students:** We welcome applications from international students who are already in the UK with a valid visa. Unfortunately we are not able to accept applications from international students who wish to come to the UK solely to take this course. We are also not able to accept international students to take the distance learning route. You will be asked to provide a scanned copy of your UK visa, and of your passport when you submit the online registration form so that we can check you are eligible to take the top up modules. Students taking this course by distance learning must be based in the UK.

Fees:

For September 2023 start: £750 per 10 credits.

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- [Medical Microbiology](#)

Professional accreditation

This course is accredited by the [Institute of Biomedical Science \(IBMS\)](#).

Speak to our Admissions Team

If you have any questions about the application process please get in touch with our postgraduate admissions team:

Email: professionalcpd@aston.ac.uk

Call: 0121 204 3200 (Please note this line is open Monday-Friday between 10am-4pm BST)

[Please click here](#) for guidance on completing the postgraduate application.

Course outline and what you will study

Module Content

- The range and methods used for the collection of clinical samples that may be subject to biochemical analysis.
- Principles and the application of biochemical investigations used in screening, diagnosis, treatment, and monitoring of disease.
- Therapeutic drug monitoring.
- Investigation of substance abuse.

This course is part of the [School of Biosciences](#) which sits within the [College of Health and Life Sciences](#).

Learning, teaching and assessment

Students must attend an online BMS Top-up induction session in week zero (mid-September), at which we will show you how to access your university record and Blackboard (the Virtual Learning Environment). All course material, including recorded lectures, self-assessment quizzes, timetables, and some directed reading will be available on Blackboard online; coursework submission and feedback are also mainly via this route. Blackboard allows you to access a comprehensive range of study materials, scientific journals, e-journals, databases and much more.

Distance learning: the study can be spread out over the term and a week-by-week study guide is available. Recorded lectures are made available after they are delivered to attendance students as detailed above.

Assessment:

An online essay-based test (May).

Our courses are written and delivered by staff at the forefront of life and health sciences teaching and research. Many members of staff currently practise or have practised professionally. In the recent Teaching Excellence Framework assessment, Aston University was awarded Gold, the highest award possible. In addition, our courses are regularly reviewed by relevant professional experts.

Biomedical Sciences Top Up Modules Course Director: [Dr Jonathan Cox](#)

Module Coordinator: [Dr K Rana](#)

[Dr R Pallett](#)

[Dr A Bashir](#)

Career Prospects

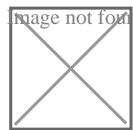
Our CPD courses offer you the opportunity to enhance your knowledge and skills in order to develop your career. In addition, our ethos is to equip you to make a real difference in your field.

These modules will allow you to obtain the academic competences that are required to apply to the Health Professions Council for Registration as a Biomedical Scientist.

Related courses and content

Related courses

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[Biomedical Sciences top-up modules](#)

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Student Life at Aston

Accommodation

We provide award-winning accommodation on our small, friendly campus in partnership with Unite Students

Students' Union

Aston SU represents and supports around 14,000 students, providing a number of commercial and non-commercial services.

Birmingham life

Aston University is in a great, central location. Ideally positioned in the centre of Birmingham - one of the youngest cities in Europe - our campus is only a 10 minute walk to the city centre.

Clubs and societies

Joining a club or society is one of the best ways to get the most out of your time here at Aston. With over 130 student-led groups we have something for everyone.

Sports

Here's Sports at Aston. Discover what's happening on the Aston University campus at the Sir Doug Ellis Woodcock Sports Centre.

Student support at the Hub

The Hub is a central location on the Ground Floor of the Main Building where most of the student support services are located.

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