

Clinical Science BMedSc - Intercalated Degree

The intercalated Bachelor of Medical Science degrees are an opportunity for students of medicine to take one year out to study an aspect of medicine in much greater depth. Note this course is only for those students studying Medicine.

The Clinical Science degree introduces you to translational research; clinical and laboratory research that is aimed at moving laboratory research to the bedside. In particular, the course involves a seven month extended research project allowing you to gain substantial, direct experience of modern medical research. In particular you will receive a range of lectures that highlight topics of current debate, undertake a 7 month research project in a laboratory or Trials Unit, and acquire skills for analysing and interpreting research papers.

To be considered for the programme you will have to demonstrate that your performance in the first three years of the medical degree is equivalent to a 1 or 2.1 in a standard classified degree and have a good pass (usually 65% or above) in the Clinical Sciences component of the MBChB is desirable.

Students may also apply to the following intercalated programmes:

- [BMedSc Medical Sciences \(/undergraduate/courses/med/medical-sciences-BMedSc-IntercalatedDegree.aspx\)](#) - Open to University of Birmingham students only
- [BMedSc Health Care Ethics and Law \(/undergraduate/courses/med/HealthcareEthicsandLaw-IntercalatedDegree.aspx\)](#)
- [BMedSc History of Medicine \(/undergraduate/courses/med/HistoryofMedicineBMedSc-IntercalatedDegree.aspx\)](#)
- [BMedSc International Health \(/undergraduate/courses/med/InternationalHealthBMedSc-IntercalatedDegree.aspx\)](#)
- [BMedSc Psychological Medicine \(/undergraduate/courses/med/PsychologicalMedicineBMedSc-IntercalatedDegree.aspx\)](#)
- [BMedSc Public Health and Population Sciences \(/undergraduate/courses/med/PublicHealthPopulationScienceBMedSc-IntercalatedDegree.aspx\)](#)

[Study here and find out why the University of Birmingham was awarded The Times and The Sunday Times University of the Year 2013-14 \(http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx\)](#)

Course fact file

Duration: 1 year Full Time

Places Available: 30 internal students. Any external students are in addition to this quota.

Start date: September

Contact

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Details

The Intercalated degree in Clinical Sciences provides training in translational research combining a broad teaching programme with the opportunity to undertake a 8 month project within a laboratory.

The degree offers 10 different modules for study and the student will choose 6 of these according to their interest. This honours degree should benefit you both in the short term, in relation to career progression, but also in the long term by broadening your understanding of academic medicine.

The learning for Major Disciplines in Clinical Sciences builds on that already provided in Clinical Sciences in the third year of the MBChB programme, which, in itself, builds on extensive learning about normal structure and function in the first two years.

In the BMedSc Clinical Sciences programme students are required to deepen and advance their understanding, becoming familiar with the major directions of current research in each of the major disciplines. Through the application of critical and analytical skills, they are required to identify the implications of research for the overall body of knowledge of the scientific disciplines in terms of both new knowledge and new uncertainties. This emphasis on the knowledge base of each discipline as a developing rather than a stable entity is reflected in the assessment criteria.

The course consists of:

- a research project which leads to a thesis to be submitted by late March. Students spend approximately 60% of their time on their research projects
- a choice of 6 out of 10 optional taught modules (10 credits each) in the various disciplines of Clinical Sciences

You will also follow an introductory module (Research Methodology) which will provide you with training in laboratory skills. Teaching will take place from September 2014.

"With support from my supervisors, I applied for and was successful for a Royal College of Surgeons Intercalated Degree in Surgery Award to help fund my BMedSc year and research project. I think that the extended length of research time the BMedSc Clinical Sciences degree provides was a key factor in helping me to gain this support from the Royal College." Hannah Shereef

Modules

You will study a choice of 6 out of 10 optional taught modules (10 credits each) in the various disciplines of Clinical Sciences. Below is the module list for the current course and as the programme continues to evolve, you should check the website regularly for any changes for next year.

1. Cancer Studies

This module focuses on the scientific basis of the causes and treatment of cancers. Specific characteristics of tumours will be examined from a cellular and molecular perspective. There will be analysis of current areas of debate within the field with particular emphasis on new developments.

By the end of the module, students should be able to:

- Demonstrate an understanding of the factors that lead to the development of cancer and current treatments available.
- Utilise their knowledge of the molecular basis of cancer to understand the rationale of the current treatment strategies and the features of a cancer cell and how this leads to clinical disease.
- Identify areas of active research in this field and explain the application of methodologies being used.

2. Rheumatology & Orthopaedics

Musculoskeletal sciences embrace huge diversity that is fully represented in the new musculoskeletal module. From our work on the immunology underlying persistent inflammation in rheumatoid arthritis, a disease that affects 1% of our population and costs the UK £600million per year in direct health costs, to understanding the critical mechanisms of failure and success in new hip replacement techniques, the huge breadth of research underlying clinical expertise present across medical and surgical musculoskeletal specialities in Birmingham will be explored.

Rheumatology lecturers will explore multiple facets of diseases including inflammatory arthritis and connective tissue diseases through themes of basic mechanisms, new predictive strategies in early disease, advanced imaging techniques, understanding new therapies that are revolutionising the treatment of arthritis, and understanding the challenges and shortcomings of therapeutic trials.

Lecturers from our orthopaedic centre of excellence, The Royal Orthopaedic Hospital, will explore collaborative research in ageing and the immunology of joint replacement, through to cutting edge surgical and reconstructive techniques.

The module will use a mix of seminars, interactive sessions with group activities and interactive task setting with subsequent review sessions.

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

- Demonstrate an understanding of current paradigms in the pathophysiology of inflammatory arthritis.
- Understand how developments in diagnostic techniques of serology, tissue biopsy and advanced imaging are improving the diagnosis and treatment of inflammatory arthritis.
- Describe and place in a scientific and clinical context new therapies available for rheumatological and orthopaedic disease, and issues surrounding clinical trials of new therapies.

3. Haematology

Haematology is one of the most academically active disciplines within clinical medicine and many advances in clinical practice have been developed through haematological models.

Increasingly, haemato-oncology is dominating the haematology curriculum and most haematology trainees enter this area. However, one of the appeals of haematology is that it has breadth, as well as depth, crossing into areas such as autoimmunity, blood transfusion and blood coagulation.

This module has been designed to cover all the major themes of haematology at the current time. The lecturers will aim to take your level of knowledge beyond the current undergraduate understanding. It will be assumed that you have a working knowledge of the lectures given in year 2 and 3 as part of the MBChB curriculum.

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

- Demonstrate an understanding of the pathophysiology and clinical presentation of the major malignant and non-malignant subtypes of haematological disease.
- Analyse how diagnostic approaches help to facilitate management of these diseases.
- Evaluate the current therapeutic approaches to haematological disorders.

4. Immunology & Renal Medicine

It is now appreciated that immune mechanisms underlie many of the disorders that are seen in clinical practice. This is an area of great research strength in Birmingham and is focussed around the MRC/UoB Centre for Immune Regulation. The module will address specific topics that are of current interest in the field including the anatomy of immune responses, inflammation, chemokine biology and immunology of ageing. Renal medicine is also a major clinical and academic strength at Birmingham and immune processes underlie many forms of renal disease. These two disciplines thus form a natural combination for this module. The teaching will address the features of basic and clinical research within immunology and renal medicine. The aim will be to extend and build on the teaching of these topics in the early years of Undergraduate medicine.

By the end of the module, students should be able to:

- Demonstrate a detailed understanding of selected topics within immunology and manuscripts and develop ideas for designing research projects in this area.
- Demonstrate with examples an understanding of how the immune system is implicated in a range of clinical disorders and the modern approaches that are being made to investigate and manage these problems.
- Express a detailed understanding of the pathophysiology and clinical features of some of the major subtypes of renal disease including glomerulonephritis and chronic kidney disease.

5. Infection

The module will address current areas of interest in basic science and clinical management of infection. Building on undergraduate teaching, the aim will be to take a focussed interest on areas of local strength and contemporary debate in order to demonstrate the breadth and importance of this topic. Postgraduate topics in bacteriology and virology will be the major areas of interest.

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

- Have an understanding of the molecular basis of infectious pathogens and the interplay between pathogens and their host.

- Appreciate and evaluate current approaches in the prevention, control and treatment of infectious disease.

- Have an appreciation of current techniques that are used in the study of infectious therapeutics and the relative strengths of the different approaches.

6. Histopathology

This module addresses selected topics in Pathology focussing on recent developments in both diagnostic and academic pathology. One focus is to emphasise the importance of linking the conventional study of cells and tissues with newer research approaches and consider how these can be applied in key areas of medicine with the aim of delivering improvements in patient care.

By the end of the module, students should be able to:

- Demonstrate an appreciation of how understanding the pathological basis of disease can help to direct the development of novel diagnostic and therapeutic approaches.
- Identify areas of current research within Pathology and explain the methodologies being used.
- Display the ability to critically analyse scientific literature in this field of research.

7. Endocrinology

Endocrine disorders are a major burden on health and an area of great scientific interest. The module will choose selected topics in this area in order to provide a detailed analysis of the underpinning basic science as well as the clinical management of the disorders. The strength of outstanding local research programmes in these areas will be a particular feature. Indeed, the desire to communicate areas of local research excellence is a major aim of the programme.

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

- Describe the principles that underlie the pathogenesis of the major disorders of endocrine systems.
- Have a knowledge of the application of modern techniques such as molecular and protein biology to key topics within endocrinology.
- Demonstrate an awareness of the current debates and questions concerning the management of disorders of the endocrine system.

8. Liver and GI Medicine

This module addresses the key areas in Hepatology and Gastroenterology focussing on recent developments and the underpinning basic science. The module will provide detail on the basic mechanisms underpinning disease states as well as outlining the development of novel therapeutic strategies. A focus will be on the important contribution that local research teams have contributed to this effort.

By the end of the module, students should be able to:

- Understand the underlying mechanisms which explain how liver and gastrointestinal disorders develop and be able to interpret/understand how different diseases are diagnosed.
- Have a basic knowledge of strategies currently used to treat liver and gastrointestinal disease and appreciate the mechanisms by which novel therapeutic agents act.
- Demonstrate a detailed understanding of the current research progress in an aspect of this field.

09. Evolutionary basis of clinical medicine

There is an increasing appreciation of the value of incorporating knowledge of evolutionary biology in biomedical research. This module will provide a synopsis of current developments in this field and focus on selected areas of particular interest. The importance of this work to clinical research and practice will be a central theme of the teaching.

Wherever possible the module will focus on areas of local expertise and excellence in order to develop the discipline of academic medicine on Campus.

By the end of the module, students should be able to:

- Demonstrate a comprehension of the fundamental principles of human evolution and analyse current debates in this area.
- Evaluate how evolutionary principles are related to human clinical disorders.
- Critically examine how evolutionary understanding can help to guide research and treatment of medical problems.

This is the module list for 2012, but the programme continues to evolve and you should check the website regularly for any changes for next year.

Fees and funding

Standard fees (<http://www.birmingham.ac.uk/students/ug/courses/fees/standard>) apply. Learn more about **fees and funding** (<http://www.birmingham.ac.uk/students/fees/undergraduate/loans.aspx>).

The Association of Clinical Pathologists (http://www.pathologists.org.uk/all-page-stuff/awards_frameset2.htm) has a number of financial assistance schemes that can be applied for each year.

Intercalation Bursaries and Awards

Birmingham CRUK Centre Award for Intercalating B.Med.Sci. (Clinical Sciences) students

The Birmingham Cancer Research UK (CR-UK) centre supports cancer research across campus and at local hospital partners. Part of the funding that the Birmingham CR-UK Centre receives is ringfenced to fund clinical training, the goal being to train the clinical research workforce of the future (one of the CR-UK 2020 goals). This year, the CR-UK Centre will utilise some of this funding to pilot a scheme to support the B.Med.Sci. (Clinical Sciences) Intercalation course. This is a one year intercalated degree that MBChB students can choose to join after the 3rd or 4th years of their MBChB course. This intercalation offers 'Cancer Studies' as a module in the course and our aim is to attract the best research-orientated medical students into cancer research at the earliest stages of their career.

Personal bursary award: this will be awarded directly to the student. There will be a single personal award of £2,000 made to the intercalating student who achieves the highest mark in their Clinical Sciences examination in their 3rd year of study and who undertakes a cancer related project (1,2).

The successful student will receive an award letter confirming the personal bursary award available through the Birmingham CR-UK Centre Award once they have accepted their offer letter of a place on the intercalating B.Med.Sci. (Clinical Sciences) course.

BMedSc Intercalated Awards

Up to 14 awards will be made to students from the University of Birmingham (medicine or dentistry programmes) who will be intercalating on any of the Birmingham BMedSc programmes. Each is worth up to £3000 and will be awarded following a competitive application process.

Some of the awards place conditions on the type of work that will be funded. But, from the breadth of intercalating study undertaken in the past we expect that it will not be a problem to match particular awards with study areas. We would like to point out, however, that three of the awards have the condition that they must be used to support a student working in the field of infectious diseases. Please note that this aspect of study could be encompassed by any of the three main intercalating programmes. If no student qualifies no award will be made.

Only those students who achieve an overall year 2 mark of 65% or more will be eligible for consideration for an award. It is expected that decisions on awards will be made in September.

Conditions of an award

All students must inform the admissions tutor for their programme if they are in receipt of funds to support their intercalation from any other source. It is not expected that a BMedSc Intercalated Award will be made to anyone who is in receipt of such funds.

The money will be paid, where possible, in equal monthly amounts over a 10 month period during the academic year.

Upon completion of the intercalating programme, a one-page summary of the achievements and benefits gained from the programme is required. This must also acknowledge receipt of the award.

To apply, please submit a 200 word statement on your reasons for intercalating and a 500 word research proposal to y.palmer@bham.ac.uk (<mailto:y.palmer@bham.ac.uk>) by 31st July 2015.

The Wolfson Award

The Wolfson Foundation intercalated degree awards programme, administered by the Royal College of Physicians, was launched in 1988 and is for the support of medical and dental students in their intercalated year. The award is £5000.00 and 2 BMedSci Clinical Sciences students will be nominated to compete by the Programme Director.

The Association of Cancer Physicians (<http://www.cancerphysicians.org.uk/members/trainees/114-new-acp-oncology-prizes.html>)

ACP, as the specialist society for medical oncology, is pleased to offer oncology prizes to medical students, FY and CMT doctors to try and stimulate an interest in oncology and recognise excellence in cancer research. We are therefore inviting essays on of four cancer-related themes.

The Society offer a £5000 bursary conditions of which are that the student should engage in a research project of min 6 months duration and must be supervised by a member of the Society.

The Association of Cancer Physicians (<http://www.cancerphysicians.org.uk/>) - Oncology Prizes for medical students and junior doctors

Applications are invited for the ACP Undergraduate Medical Student Essay Prize in Oncology.

Cancer is responsible for 1 in 4 deaths in the UK, and at the 2011 UN Health summit declared one of the 4 most important global health challenges including in developing countries. This annual award has been established by the Association to stimulate interest and awareness in oncology.

Prize: £200 plus a copy of "Problem Solving in Acute Oncology Edited by E.Marshall, A.Young, P.Clark and P.Selby"

Open to: All UK medical students.

The Association of Clinical Pathologists (<http://www.pathologists.org.uk/awards/studentresearchfund>)

Offers a Student Research Fund Bursary Scheme, which allows up to £5,000 for the costs of living expenses for BMedSc Intercalating applicants.

The Royal College of Radiologists (<http://www.rcr.ac.uk/content.aspx?PageID=1415>)

The Royal College of Radiologists is offering UG elective bursaries and this funding will allow 5 bursaries to be awarded in Clinical Radiology and 5 in Clinical Oncology. This is an excellent opportunity for you to gain experience in these specialities.

The Pathological Society (<http://www.pathsoc.org/index.php/grants-lectures-awards/education-grants/intercalated-degree>)

The Society funds up to ten medical, dental or veterinary undergraduates who wish to take an Intercalated Degree (either BSc or MRes/MSc) but who are unable to do so because of lack of local education authority funding. All of these awards will be made directly to students. The grant will cover the cost of university fees of up to £9,000, a £4000 stipend + £1500 consumables. Scottish students studying in Scotland will not be eligible for university fees.

One Medicine - comparative clinical Science Foundation (<http://www.onemedicine.org.uk/>)

Inviting applications from intercalating veterinary and medical students for stipends to support living and/or study expenses during their intercalating period. With One Health and Comparative Medicine as a focus for the initiative, successful candidates will be studying and/or researching towards an intercalated BSc/MSc or equivalent where the emphasis is on the clinical aspects of the one health and comparative medicine agenda. Two awards, each of £5k, will be made and the sums available for use towards fees, research costs or subsistence.

Application deadline: January and will then be assessed by a panel under the governance of the CCSF. Awards will be assessed on the merits of the individual and the merits of the proposed course of study/research. Candidates likely to make good ambassadors for comparative clinical science will be preferred.

Awards will be announced by end of March and will be available from October. The awards will be made in a single payment of £5k direct to the applicant.

Intercalated Bursary – British Society for Clinical Neurophysiology (<http://www.bscn.org.uk/>)

The Society offer a £5000 bursary conditions of which are that the student should engage in a research project of min 6 months duration and must be supervised by a member of the Society.

The application deadline is 31st July. The society are also offering an essay prize of £500 for a 3000 word essay on any topic involving the use of neurophysiological techniques for peripheral neuro-muscular disease.

Core Falkbursaries (<http://www.corecharity.org.uk/research/looking-for-funding>)

Available for intercalating med students to work on gastrointestinal liver projects.

The Jean Shanks Foundation Award (<http://jeanshanksfoundation.org/>) - For English Medical Schools

The Foundation invite a selection of UK Medical Schools to apply for an Intercalated Grant Award of £15,000 per annum. Project proposals will be considered for this

competitive selection process. The Foundation Trustees will assess each application and award Intercolated Grants at their discretion to the fifteen project proposals that they deem to be of the highest standard. Their decision is final and not subject to appeal.

Lab. consumables: £1,500 (to be paid directly to the lab and is "restricted" funds)

University Fees: up to £13,500 (being up to £9,000 for fees and the balance as subsistence)

The Kidney Research UK (<https://www.kidneyresearchuk.org/research/current-calls-for-applications>)

Offers a one year funding support for medical students to undertake an Intercolated degree in renal research. The charity has been offering this type of funding support through an annual competition for the last three years with great success. We want to capture the early interest of medical undergraduates who wish to strengthen their medical degree through an intercalated approach, and who would find undertaking a research study in the kidney area appealing. The funding of £5,000 over 1 year is paid directly by the charity to the students who can use this for living costs and fees during their intercalated year. We make at least 10 awards in each academic year.

BDIAP Grants to support BSc Studentships in Histopathology (<http://www.bdiap.org/>)

The BDIAP offers up to five grants per year to support undergraduates undertaking a BSc, or equivalent, in Pathology as part of their undergraduate career. Such a BSc will normally be undertaken in departments of Histopathology, Cellular Pathology or Cytopathology in universities, medical schools, NHS laboratories or research institutes in the United Kingdom or overseas. Applications, including proposals for work on research projects in Pathology, should be submitted by the end of July each year and are considered by the Education and IT Subcommittee of the BDIAP, which I chair, shortly after that. The grant will normally be for a maximum of £15,000 pounds sterling and is primarily to support living expenses and university fees during the year of study rather than bench fees. At those medical schools where intercalation is mandatory (Imperial, Oxford, Cambridge, UCL), the BDIAP will offer two grants of £3,000. I would be grateful if you could bring this to the attention of students contemplating an intercalated BSc or equivalent in Pathology. Application deadline: July.

The John Snow Intercalated BSc awards (<http://niaa.org.uk/article.php?newsid=807>)

Designed to encourage medical student interest in anaesthetics and its related disciplines, these awards go to the student and not the supervisor/institution and are meant to contribute towards living costs.

Next year the Association of Anaesthetists of Great Britain & Ireland/*Anaesthesia*, the *British Journal of Anaesthesia*/Royal College of Anaesthetists and the Obstetric Anaesthetists' Association will be offering several awards of **£2,000** and the Neuroanaesthesia Society of Great Britain & Ireland one award of **£1,000**.

- John Snow **Advert** ([/Documents/college-mds/courses/undergraduate/BMedScClinicalScienceintercalateddegree/john-snow-advert.pdf](#)) [pdf]
- John Snow **application** ([/Documents/college-mds/courses/undergraduate/BMedScClinicalScienceintercalateddegree/john-snow-application.doc](#)) form [doc]
- View **previous winners** (<http://niaa.org.uk/article.php?newsid=834#pt>) of this award

Entry requirements

Building on work already undertaken within the MBChB, you may take the programme between the third and fourth, or fourth and fifth years of the MBChB.

To be considered for the programme you will have to demonstrate that your performance in years 2 and 3 of the medical degree is equivalent to a 1 or 2.1 in a standard classified degree. A good pass (usually 65% or above) in the Clinical Sciences component of the MBChB is desirable.

Transcripts are reviewed to confirm student academic achievement. Students are expected to have achieved 60% or above (or have extenuating circumstances which were accepted for the academic year in question) for all completed years with the exception of year 1. In exceptional circumstances students who have failed to achieve this will be considered if a clear and strong case for academic progression can be made. If your academic achievement in year 2 and above of your medical studies has fallen below 60% (or equivalent for external candidates) year mean in the absence of extenuating circumstances, please detail any evidence which supports your academic ability to engage with the chosen programme of study.

If you are interested in a particular project you are advised to contact the supervisor. Further information and application forms can be obtained from Yvonne Palmer in the Teaching Support Office (Division of Cancer Studies), email: y.palmer@bham.ac.uk (<mailto:y.palmer@bham.ac.uk>) or phone 0121 414 8099

International students:

Depending on your chosen course of study, you may also be interested in the Birmingham Foundation Academy, a specially structured programme for international students whose qualifications are not accepted for direct entry to UK universities. Further details can be found on the **[foundation academy web pages](http://www.birmingham.ac.uk/students/foundation-academy/Pathways/index.aspx)** (<http://www.birmingham.ac.uk/students/foundation-academy/Pathways/index.aspx>).

How to apply

Further information and application forms can be obtained from Yvonne Palmer in the Teaching Support Office (School of Cancer Sciences), email: y.palmer@bham.ac.uk (<mailto:y.palmer@bham.ac.uk>) or phone 0121 414 8099.

[Application Form](#) ([/Documents/college-mds/courses/undergraduate/BMedScClinicalScienceintercalateddegree/Application-form-2015-16.doc](#)) (doc, 94KB, opens in a new window)

[Enrolment Form](#) ([/Documents/college-mds/courses/undergraduate/BMedScClinicalScienceintercalateddegree/bmedscclinicalenrolmentform.pdf](#)) (for external students only) (pdf, 56KB, opens in a new window)

[Available Projects](#) ([/Documents/college-mds/courses/undergraduate/BMedScClinicalScienceintercalateddegree/Project-Book-2015-16.pdf](#)) - (pdf, opens in a new window)

[Sample timetable](#) ([/Documents/college-mds/courses/undergraduate/BMedScClinicalScienceintercalateddegree/Timetable.pdf](#)) (pdf, 296KB, opens in new window)

Deadline for applications: **Monday 9th February 2015**

Learning and teaching

As a Birmingham student you are part of an academic elite and will learn from world-leading experts. From the outset you will be encouraged to become an independent and self-motivated learner. We want you to be challenged and will encourage you to think for yourself.

Your learning will take place in a range of different settings, from scheduled teaching in lectures and small group tutorials, to self-study and peer group learning (for example preparing and delivering presentations with your classmates).

Learning Outcomes

Knowledge and Understanding

Students are expected to have knowledge and understanding of:

1. The whole spectrum of the disciplines making up the Clinical Sciences, including current research issues and clinical developments.
2. One of the Clinical Science disciplines at a level that will enable them to critically evaluate current experimental literature so as to design and undertake independent research under supervision.
3. The experimental processes and analytical methods that underpin research in their chosen Clinical Science discipline.

Skills and Attributes

Students are expected to have attained the following skills and other attributes:

1. The ability to identify and refine a novel and valid research question and to identify means of testing the hypothesis.
2. The ability to identify and critically analyse the literature relating to the area of research.
3. The ability to apply critical and informed judgement in relation to the ethical dimensions of research.
4. The ability to gather accurate and reliable scientific data, to analyse it using appropriate statistical methods and to interpret it objectively.
5. The ability to undertake laboratory work safely and competently.
6. The ability to select, organise and present information on the progress of research and to present the research and its findings verbally, in a written thesis and as a presentation for publication.

Our facilities

The College of Medical and Dental Sciences houses state-of-the art facilities to support a range of teaching, learning and research activity.

Our facilities ensure that students receive the best possible learning experience by working in a modern environment. Among our most recent developments include a refurbishment of the Medical School foyer, Barnes library and Wolfson Centre for Medical Education.

Explore our facilities and take a tour by moving around our 360-degree panoramas:

ERROR:

Adobe Flashplayer 10.1 (or higher) or a
HTML5 Browser with CSS 3D Transforms or WebGL support are required!

Assessment methods

At the beginning of each module, you'll be given information on how and when you'll be assessed for that particular programme of study. You'll receive feedback on each assessment within four weeks, so that you can learn from and build on what you have done. You'll be given feedback on any exams that you take; if you should fail an exam we will ensure that particularly detailed feedback is made available to enable you to learn for the future.

Each module exam will consist of a combination of MCQs and written answers.

There will be 30 MCQ questions in 45 minutes and there will then be written questions in a subsequent 45 minutes. (each exam will therefore last 1.5 hours)

Written answers may take the form of one essay from a choice of two.

Employability



"I have found the intercalating degree invaluable in helping me gain experience in the lab & research. It also gave me the opportunity to build upon my CV to gain further research experience"

If you would like to find out more from what our previous students have said about the programme, you can [view the student comments \(/university/colleges/mds/undergraduate/BMedSc-Clinical-Science-Quotes.aspx\)](#) section.

Preparation for your career in medicine should be a major consideration as you proceed through Medical School . The BMedSc intercalated honours degree can help in advancing your medical career. Many students have produced significant international conference presentations and academic publications. These are educational achievements that are well recognised in applications for Foundation Programme and Academic Foundation Programme applications at the start of your post-graduate medical training. The intercalated courses give a excellent grounding if you wish to pursue a career in academic medicine, but as importantly an appreciation of the value of research in whatever speciality you may take up in the future. Whether you have a clear idea of a speciality where your future aspirations lie or want to consider the broad range of opportunities available once you have a Birmingham degree, our Careers Network can help you achieve your goal.

Our unique careers guidance service is tailored to your academic subject area, offering a specialised team who can give you expert advice. Our team source exclusive work experience opportunities to help you stand out amongst the competition, with mentoring, global internships and placements available to you. Once you have a career in your sights, one-to-one support with CV's and job applications will help give you the edge. In addition, our employer-endorsed award-winning Personal Skills Award (PSA) recognises your extra-curricular activities, and provides an accredited employability programme designed to improve your career prospects.

Your Birmingham degree is evidence of your ability to succeed in a demanding academic environment. Employers target Birmingham students for their drive, diversity, communication and problem-solving skills, their team-working abilities and cultural awareness, and our graduate employment statistics have continued to climb at a rate well above national trends. If you make the most of the wide range of services you will be able to develop your career from the moment you arrive.

Find out more about [Careers Network. \(http://www.as.bham.ac.uk/careers\)](http://www.as.bham.ac.uk/careers)

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