



# CHOOSING THE RIGHT DEGREE FOR YOUR CAREER

## BECOMING A BIOMEDICAL SCIENTIST

Develop the knowledge  
and skills to get ahead  
in a biomedical  
science career

**IBMS** Institute of  
Biomedical Science

[WWW.IBMS.ORG](http://WWW.IBMS.ORG)

# WHY STUDY BIOMEDICAL SCIENCE?

## ABOUT IBMS ACCREDITATION

IBMS accredited degree programmes are assessed by professional and academic experts to ensure high standards of teaching, facilities and course content.

To achieve IBMS accreditation a biomedical science degree programme must be relevant to current professional practice, informed by the latest advances in research and anticipate future developments in the scientific field. An IBMS accredited degree also meets academic requirements for HCPC registration.

**IBMS  
ACCREDITED  
DEGREE**

**IBMS  
ACCREDITED  
SANDWICH  
DEGREE  
PROGRAMME**

**IBMS  
ACCREDITED  
INTEGRATED  
DEGREE  
PROGRAMME**

## FIND OUT IF YOUR DEGREE IS IBMS ACCREDITED

Look out for the IBMS accredited logo on university websites and prospectuses.

**YOU CAN ALSO FIND A FULL LIST OF IBMS ACCREDITED DEGREE COURSES AT:**

[WWW.IBMS.ORG/ACCREDITED](http://WWW.IBMS.ORG/ACCREDITED)



Biomedical science is a rapidly evolving subject area. As medicine and healthcare become increasingly sophisticated, the demand for biomedical science graduates with cutting edge laboratory skills and the ability to apply complex scientific knowledge is growing.

Studying biomedical science at university will enhance your knowledge of science, its practical application to healthcare and related research.

You will develop skills that are at the forefront of advances in medical research and diagnostics, as well as transferable skills valued by a wide range of employers.

## CHOOSING THE RIGHT DEGREE FOR YOU

With a wide range of biomedical science degree courses on offer, how do you choose the course that's right for you and your future career?

If you are aiming for a career in biomedical science, you will need to know whether your degree course offers comprehensive, up to date subject knowledge and covers the most recent developments in research and analytical methods.

With employers placing a high value on practical skills and experience, the opportunity to undertake practical work and independent research will also be a key consideration when choosing your biomedical science degree.

Choosing an IBMS accredited degree will ensure you receive a wide-ranging, research informed scientific education and develop the practical skills and experience that will give you a head start in your chosen career.

**TO FIND OUT MORE ABOUT IBMS ACCREDITATION VISIT:** [WWW.IBMS.ORG/ACCREDITED](http://WWW.IBMS.ORG/ACCREDITED)



# WHAT WILL I STUDY ON AN IBMS ACCREDITED DEGREE COURSE

An IBMS accredited BSc degree course:

- Will enable you to gain experience of the full range of analytical and interpretive tools that are central to the understanding and investigation of human disease.
- Covers the molecular, cellular and systematic basis of disease and the application of scientific principles and techniques to its investigation, diagnosis and treatment.
- Is structured around core subjects and additional modules to ensure you gain a broad understanding of biomedical science, along with the opportunity to achieve an advanced knowledge of specialist areas.
- Gives you the opportunity to undertake a final year research project, develop research skills and contribute to advances in the understanding, diagnosis and treatment of disease.

**LAUREN MCNEILL, POSTGRADUATE TEACHING ASSISTANT AND PHD RESEARCHER, MANCHESTER METROPOLITAN UNIVERSITY**

“My IBMS accredited degree and masters gave me up-to-date practical skills, knowledge and research experience to give me a lot of different options in my career path. They successfully prepared me and made me a desirable candidate for a funded PhD”.

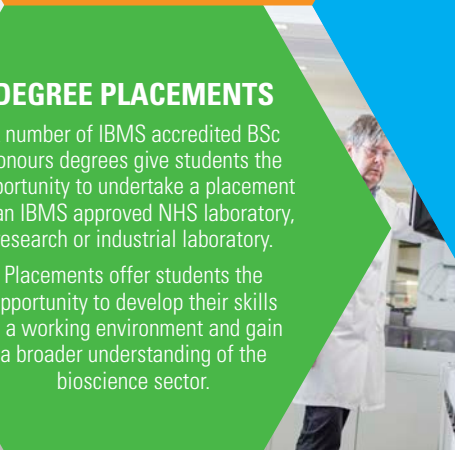
## IBMS ACCREDITED DEGREE CORE SUBJECT AREAS

- BIOLOGY OF DISEASE
- BIOCHEMISTRY
- CELLULAR PATHOLOGY
- CLINICAL BIOCHEMISTRY
- CLINICAL IMMUNOLOGY
- HAEMATOLOGY
- MEDICAL MICROBIOLOGY
- TRANSFUSION SCIENCE
- NUMERACY, STATISTICS AND COMPUTING
- INSTRUMENTATION /ANALYTICAL TECHNIQUE

## DEGREE PLACEMENTS

A number of IBMS accredited BSc honours degrees give students the opportunity to undertake a placement in an IBMS approved NHS laboratory, research or industrial laboratory.

Placements offer students the opportunity to develop their skills in a working environment and gain a broader understanding of the bioscience sector.



# CHOOSING THE RIGHT DEGREE FOR YOUR CAREER

Choosing an IBMS accredited degree will equip you with the knowledge and skills that will give you the best possible start to your career.

An IBMS accredited degree delivers the diverse study programme and extensive experience of analytical techniques that prepares graduates to seek employment in a wide range of laboratory based roles.

## PRACTICAL EXPERIENCE

The practical work you will undertake as part of an IBMS accredited degree will equip you with skills that are highly valued by bioscience employers.

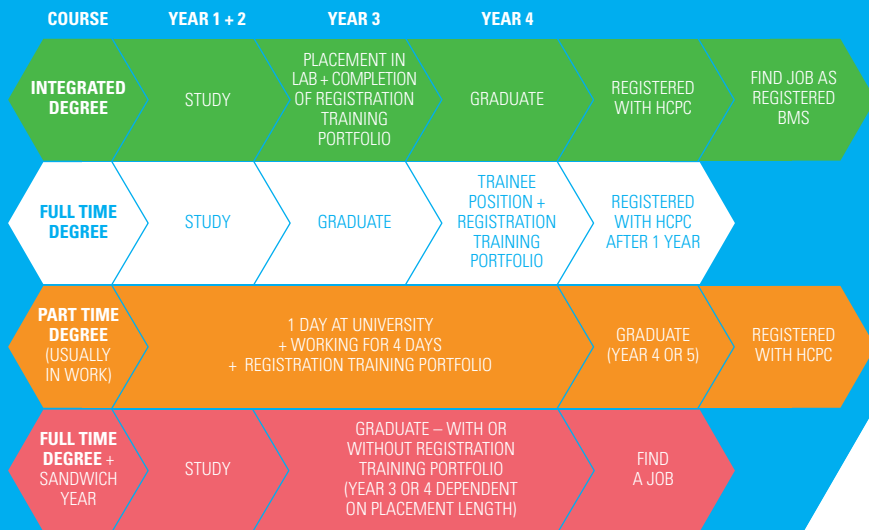
You will learn; a range of methods, how to plan, conduct and evaluate experiments and how to generate, interpret and evaluate data. You will also learn the skills associated with good laboratory practice, including how to comply with health and safety regulations.

An IBMS accredited degree will also enhance your employability by offering hands-on experience, using specialised equipment and sophisticated techniques that are increasingly in demand by employers.

You may also gain practical experience of advanced techniques, such as cell culture, quantitative analysis of DNA (real-time or q-PCR) and analytical techniques including HPLC and mass spectrometry.

## DEGREE PATHWAYS

IBMS ACCREDITED BIOMEDICAL SCIENCE DEGREES



# GRADUATE CAREERS



The knowledge and skills you gain on an IBMS accredited degree will prepare you for a wide range of laboratory based careers.

Graduates with an IBMS accredited degree have gone on to work in diagnostic laboratories, research and development positions in healthcare, academic and pharmaceutical sectors, government-funded research laboratories and a range of careers in the global pharmaceutical and bioscience industries. Other employment biomedical science graduates have gone into include: teaching, veterinary diagnostics, food safety, brewing, the armed forces, journalism, sales and marketing, finance, government advisory, and many more.

**FOR MORE INFORMATION VISIT:**  
[WWW.IBMS.ORG/GET-AHEAD](http://WWW.IBMS.ORG/GET-AHEAD)

## SKILLS FOR LIFE

An IBMS accredited degree will equip you with a set of highly desirable transferable skills that will offer you flexibility in your future career. These include: computing, statistics, data generation and analysis, independent learning, teamwork and project management.

The skills you will develop on an IBMS accredited degree course are attractive to employers across a range of sectors including: science communication, management, sales, marketing, regulatory affairs, medicine and the pharmaceutical industries.

**FIND OUT MORE ABOUT CAREERS  
IN BIOMEDICAL SCIENCE AT:**  
[WWW.IBMS.ORG/CAREERS](http://WWW.IBMS.ORG/CAREERS)

## IBMS eSTUDENT MEMBERSHIP

For just £10 a year, IBMS eStudent membership provides you with the opportunities and resources you will need to help you be successful studying biomedical science, at degree level and beyond.

**FIND OUT MORE AND JOIN AT:**  
[WWW.IBMS.ORG/CAREERS](http://WWW.IBMS.ORG/CAREERS)

# GET AHEAD WITH HCPC REGISTRATION



**PATRICIA BRADLEY, SENIOR BIOMEDICAL SCIENTIST IN THE HAEMATOLOGY/BLOOD TRANSFUSION DEPARTMENT, ROYAL ALEXANDRA HOSPITAL**

“I chose a career in biomedical science firstly due to a natural interest and aptitude for the science subjects at school. My university accredited biomedical science degree helped to consolidate my interest in the biological sciences and my desire to work towards a career as a biomedical scientist.”

If you want to work as a biomedical scientist in healthcare in the UK you need to be registered with the Health and Care Professions Council (HCPC).

All IBMS accredited BSc degrees meet the HCPC's academic requirements for registration as a biomedical scientist.

## IF YOUR DEGREE IS NOT IBMS ACCREDITED OR HCPC APPROVED

To be registered as a biomedical scientist, your degree can be assessed and any educational shortfall can be identified. You may need to take additional modules to fulfil the academic requirements for HCPC registration.

**FIND OUT MORE AT:** [WWW.IBMS.ORG/REGISTRATION](http://WWW.IBMS.ORG/REGISTRATION)

## GET REGISTERED WITH AN IBMS ACCREDITED INTEGRATED DEGREE

The quickest way to become HCPC registered is to complete an IBMS accredited Integrated degree, which includes a clinical placement.

If you choose an IBMS accredited Integrated degree course you will be able to complete your IBMS Registration Training Portfolio during your laboratory placement.

On successfully completing your degree, you will be awarded an IBMS Certificate of Competence and will be able to apply to the HCPC for registration as a biomedical scientist.

**FOR MORE DETAILS VISIT:**  
[WWW.IBMS.ORG/ACCREDITED](http://WWW.IBMS.ORG/ACCREDITED)

## ABOUT HCPC REGISTRATION

'*Biomedical scientist*' is a legally protected title. To protect public safety, anyone using the title must meet HCPC standards and be HCPC registered.

To be admitted to the HCPC register as a biomedical scientist you will need to meet the HCPC's academic and training standards, known as "standards of proficiency".

Completing an IBMS accredited degree and successfully completing an IBMS Registration Training Portfolio will lead to you being awarded the IBMS Certificate of Competence. Achieving this qualification will demonstrate that you meet HCPC standards of proficiency and are eligible to be registered as a biomedical scientist.

**FIND OUT MORE AT:**  
[WWW.IBMS.ORG/HCPCREG](http://WWW.IBMS.ORG/HCPCREG)

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