

SCIENCES



PROUD TO BE MORE

DE MONTFORT UNIVERSITY (DMU) COURSES ARE DESIGNED WITH EMPLOYABILITY IN MIND, AND WE ARE PROUD TO BE RECOGNISED AS A UNIVERSITY RANKED GOLD IN THE TEACHING EXCELLENCE FRAMEWORK. THE AWARD IS RECOGNITION OF THE CONSISTENTLY OUTSTANDING TEACHING AND LEARNING ON OFFER AT DMU AND THE EXTRAORDINARY IMPACT THAT IT HAS ON OUR STUDENTS.

Our degrees are designed with your employability in mind and are accredited by the Institute of Biomedical Sciences and the Chartered Society of Forensic Science, helping you to gain a broad knowledge and understanding of the theories and methods used within professional environments.

You will also have the chance to boost your CV through a range of volunteering opportunities and international experiences, available through our career-enhancing DMUglobal initiative.

We are proud that 97.5 per cent of our Health and Life Science graduates from Summer 2017 are in work or further study after graduating, according to the Destinations of Leavers from Higher Education (DLHE) 2016-17 report [above the sector average of 94.6%].

Our degrees are designed to empower a career in fields related to biomedical, forensic, medical and nutrition science, while graduates also chose to progress on to postgraduate study.

Where will your degree take you?



DMU Science students were thanked by the head of Bermuda's government for their work in the community during a DMUglobal trip to the island.

They taught children at science workshops, entered a forensic science competition and joined a community outreach rally.

Biomedical Science student Gregory Ambrose said: "Being in Bermuda, we are able to explore how the island interacts with biomedical science and what it means in terms of healthcare.

"We explored Bermuda's hospital, specifically its laboratories. It was both interesting and valuable to see this in person. It allowed me to expand the horizons in my mind."

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BIOMEDICAL SCIENCE

BSc (Hons)

UCAS CODE: B940

UCAS TARIFF: 120 points

YOU MAY ALSO BE INTERESTED IN:

Forensic Science
BSc (Hons)

Medical Science
BMedSci (Hons)

Nutrition
BSc (Hons)

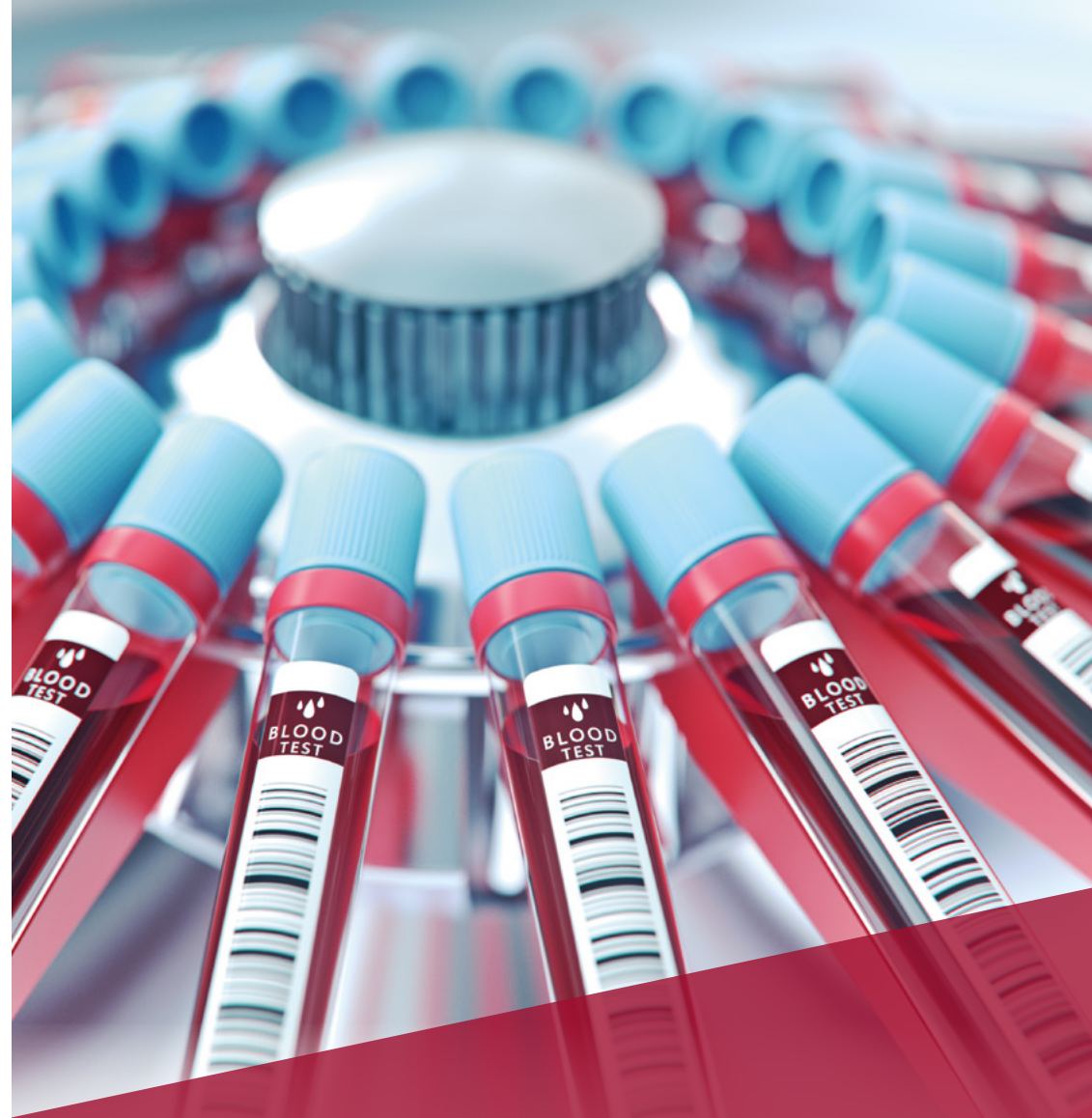
Accredited by the Institute of Biomedical Science, this course is designed to give graduates an understanding of normal and abnormal structure and functions of molecules, cells, tissue, organ and systems, in addition to knowledge of the application of scientific principles and techniques in the investigation, diagnosis and treatment of disease.

Students progress from learning the fundamental basics of anatomy and physiology, biochemistry, microbiology and professional skills to embark on specialist modules pertinent to the field of the biomedical sciences. These include: clinical biochemistry, histopathology and cytopathology, clinical immunology, medical microbiology, haematology and transfusion science, and clinical genetics, as well as the research-orientated projects module in your final year.

You can also choose to put theory into practice during an optional placement year, usually in approved NHS pathology centres, research or industrial laboratories. This experience can lead towards your eligibility for Health and Care Professions Council registration, enhancing your employability upon graduation.

Graduates are highly sought after by NHS pathology centres and work in diagnostic laboratories in both the public and private sectors, research institutions and the biotechnology industry. Alternatively, you may choose to undertake a postgraduate course at DMU, including the Advanced Biomedical Science MSc programme and the Physician Associate Studies (MSc).

For more information,
visit: dmu.ac.uk/biomedicalscience



Student James Cooper has been contributing to vital DMU research after being awarded a grant by the Wellcome Trust to develop drugs needed to combat neglected tropical diseases, in line with the World Health Organisation's efforts to eliminate Human African Trypanosomiasis by 2020.

James said: "The work, led by Dr Avninder Bhambra, is vital because the drugs used to treat the disease are outdated and have unwanted side-effects, in some cases even death. It feels good doing something to benefit others – and it's great to know the research will be taken forward.

"The experience I gained was invaluable. In a short space of time I learned new methods, how to use a variety of laboratory equipment, and became proficient in completing tasks to deadline."

FORENSIC SCIENCE

BSc (Hons)

UCAS CODE: F410

UCAS TARIFF: 112 points

**YOU MAY ALSO BE
INTERESTED IN:**

Biomedical Science
BSc (Hons)

Medical Science
BMedSci (Hons)

Nutrition
BSc (Hons)

Developed in collaboration with Leicestershire Police, this course enables you to examine the methods used to gather, examine, analyse and report information about past events – which can then be presented as evidence in court.

Accredited by the Chartered Society of Forensic Sciences, you will be taught by a team of academics with a wide range of experience in both academic and industrial settings. The chance to undertake a sandwich placement year in internationally recognised companies gives you the opportunity to put theory into practice and experience working in a scientific environment.

Programme modules include: Forensic Imaging and Photography; Essentials of Forensic Investigations; Bodies, Tissues and Fluids; Issues in Criminal Justice; Authenticity and Fraud; DNA Profiling and Forensic Chemical Pathology.

The variety and depth of this course equips you to work in many fields, with graduates going on to roles with forensic science providers, in scientific support and crime-scene investigation, analytical chemistry, general scientific analysis, health and safety, the insurance industry and law enforcement.

For more information,
visit: dmu.ac.uk/forensicscience



Students on DMU's Forensic Science course were taken from a crime scene, to a forensic laboratory and all the way to court as part of a jam-packed week in New York with DMUglobal.

Student Elinor Skipper said: "We had a tour of the Supreme Civil Court in New York which deals with felony cases and misdemeanors.

"We also got to watch a trial in progress which was really interesting. It was eye-opening to learn about the differences between UK and US law."

MEDICAL SCIENCE

BMedSci (Hons)

UCAS CODE: B902

UCAS TARIFF: 120 points

YOU MAY ALSO BE INTERESTED IN:

Biomedical Science
BSc (Hons)

Forensic Science
BSc (Hons)

Nutrition
BSc (Hons)

Accredited by the Royal Society of Biology, the Medical Science degree has a focus on fundamental biological subjects such as human anatomy, physiology and biochemistry. This course aims to equip you with the transferable and clinical skills, attributes and experience sought after by employers across the health sector.

From the first year of the programme you will be introduced to the fundamentals of medical science and build laboratory experience with an understanding of the basic techniques and instrumentation relevant to diagnosing and investigating disease.

As the course progresses you will be introduced to more advanced medical topics, and start to relate the understanding of normal healthy physiology with pathological processes. A focus on research theory and practical skills of statistical analysis and data interpretation is also incorporated, and there is the opportunity to complete an original laboratory, clinical, literature-based or educational research project of your choice in a relevant area of medical science in the final year.

You can choose to further enhance your employability through a work placement year between years two and three of the programme, allowing you to gain hands-on experience and develop practical and professional skills.

Many of our graduates have gone on to pursue successful careers in the fields of scientific research, teaching and medical writing, while graduates can also choose to progress on to graduate entry medicine, dentistry or healthcare practitioner training.

For more information, visit: dmu.ac.uk/medicalscience



Medical Science student, Diana Omokore, was chosen from hundreds of nominations to receive the Festival of Learning 2019 Outstanding Individual Learner award.

Having had a difficult upbringing before being in care, Diana is passionate about helping other children at risk. Following work experience abroad, she decided to pursue a career as a paediatric surgeon.

Diana said: "Education has always been my focus and I saw it as a way out of my difficult experiences living at home. I'm now working towards scoring high marks in my medical science degree so I can go on to become a paediatric surgeon and I want to be a good role model for people who have had similar experiences to mine."

NUTRITION

BSc (Hons)

UCAS CODE: B400

UCAS TARIFF: 112 points

YOU MAY ALSO BE INTERESTED IN:

Biomedical Science
BSc (Hons)

Medical Science
BMedSci (Hons)

Health and Wellbeing
in Society
BSc (Hons)

This new three-year degree includes general biological science modules to underpin understanding of nutrition, physiology and health, covering biochemistry, cell biology, anatomy and physiology, genetics and immunology.

In addition there will be specialist modules which explore public health, nutrition and metabolism, clinical nutrition, nutrition through the lifespan, and health education and promotion. Students will also take a module in personal and professional skills to further boost their employability.

Teaching on the course will enable you to gain a truly global perspective on health and nutrition, with several modules incorporating aspects of global nutrition and public health. In addition, there may be the opportunity to visit healthcare settings in other countries through our DMUglobal programme.

Graduates will have the knowledge and skills required to work as a nutritionist for the NHS, or in the private sector, as well as roles in research and development, education, health journalism, public health or food production.

For more information, visit: dmu.ac.uk/nutrition



**MARIASOLE DA BOIT,
ADMISSIONS TUTOR**

“With the rising global obesity epidemic, it’s becoming increasingly important to help people maintain a healthy lifestyle – nutrition is key to this. Graduates with a Nutrition BSc are able to work in a variety of settings, including the NHS, food industry, research and development, and private practice. Our course will be very globally relevant, and includes an international perspective on nutrition and public health. There will also be DMUglobal opportunities to help students enhance their learning through an international experience.”

DMU awarded Gold in Teaching Excellence Framework



DMU has been awarded a gold rating in the government's Teaching Excellence Framework (TEF). The TEF is an initiative that recognises excellence in learning and teaching. This is a testament to how the outstanding teaching on offer at DMU inspires our students.

It means that DMU has been found to deliver 'consistently outstanding teaching, learning and outcomes for its students. It is of the highest quality found in the UK.'

The TEF panel highlighted the following:

- The way employability is embedded in the curriculum in every faculty
- The significant contribution DMU Square Mile makes to the social and economic development of Leicester
- The way that real-world research feeds into students' learning
- The pastoral support on offer for students throughout their time at DMU

- The outstanding and personalised study support given to students
- Involving students to support any changes to assessment methods and teaching delivery
- The excellent physical and digital resources that enhance learning, retention and employability
- A culture that encourages, recognises and rewards excellent teaching

For further information visit
dmu.ac.uk/TEF

DMUglobal

DMUglobal offers every student the chance to gain invaluable international experience, improve their career prospects and build their confidence.

Our signature international experience programme has taken 12,000 students on adventures in 60-plus countries, including exciting destinations like New York, Hong Kong and Berlin – and because DMUglobal is always about the miles ahead, the ground we'll break and the friends we make next, new opportunities are being announced all the time.

These feature:

- Academic-led trips
- Student-led trips
- Erasmus+ and International Exchange
- Summer schools
- Internships and Placements
- Volunteering
- UK and on-campus activities (including language learning)

The initiative has enabled our students to help to raise awareness of type 2 diabetes during a trip to Kentucky and teach science to schoolchildren in Bermuda.

As part of DMU's dedication to providing an unrivalled student experience and excellent employability, our aim is to make DMUglobal the most comprehensive international experience programme available at any UK university.

To find out more visit dmuglobal.com



PUT THEORY INTO PRACTICE WITH DMUWORKS

DMUworks guarantees a professional work experience opportunity for every undergraduate student. These opportunities are designed to enable you to put the skills learnt on your course into practice and enhance your employability upon graduation.

Students in the Faculty of Health and Life Sciences are offered practical work experience as part of our courses, providing you with the chance to develop your CV in settings including:

- NHS pathology centres
- Research or industrial laboratories
- Pharmaceutical businesses
- Internationally recognised companies such as Pfizer

You will also have the opportunity to undertake optional trips at home and abroad, through our career-enhancing DMUglobal and DMU Square Mile initiatives.

Designed to expand your knowledge and help communities in Leicester and worldwide, previous students have delivered first aid training, health advice for pregnant women and safeguarding training to teachers in India, and helped to uncover cases of type II diabetes in Leicester.

For further information,
visit: dmu.ac.uk/dmuworks



THE STORY DOESN'T END HERE

Postgraduate study at DMU gives you the opportunity to deepen your knowledge, skills and experience in a scholarly and supportive environment that frees you to explore and advance your interests.

Our postgraduate courses receive continual input from leading employers and professional bodies, with teaching underpinned by outstanding research. This ensures your learning is relevant and up-to-date, providing you with the skills and experience employers expect from candidates.

This approach to teaching is paying off, with 97.5 per cent of our Health and Life Science graduates from summer 2017 are in work or further study after graduating, according to the Destinations of Leavers from Higher Education (DLHE) 2016-17 report [above the sector average of 94.6 per cent] with previous students going on to work for organisations including Pfizer, GlaxoSmithKline and the NHS.

As the jobs market becomes increasingly competitive, our postgraduate courses are designed to be relevant to today's industry to ensure you have the professional skills and practical experience that employers are looking for.

At DMU we offer a wide range of postgraduate qualifications including:


- Advanced Biomedical Science MSc
- Masters by Research MSc/MA
- Physician Associate Studies MSc

To find out about these courses,
visit dmu.ac.uk/pgstudy



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 **dmuhls**

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 **HealthLifeSciences**

dmu.ac.uk/socialmedia