

"I feel the Masters course in Medical Molecular Biology is one of the best courses the University has to offer, and combines the frontiers of biology with that of modern medicine.

"The School is highly experienced and takes personal interest in the learning objectives of each and every student. Even now, I still view some members of the School as role models, because of their commitment to their respective specialisation.

"My course learning acted as a foundation stone for me to complete my PhD studies on the role of RNA secondary structures in gene regulation at the University of Cambridge. I am now a Post Doctoral Research Associate in the Department of Chemistry at the University of Cambridge, working on the relevance of DNA G-quadruplex structures in the human genome."



SUNITA KUMARI, MEDICAL MOLECULAR BIOLOGY MSc,
POST DOCTORAL RESEARCH ASSOCIATE, UNIVERSITY OF CAMBRIDGE

RESEARCH IN BIOSCIENCES

If you undertake postgraduate research in Biosciences you will join the School of Life Sciences, with research areas ranging from molecular to microbial, cellular and human sciences, to the well-being of individuals and their communities. Diverse methodologies are adopted in research including qualitative, quantitative and mixed approaches. For more information on research within the School, contact our Research Director, Professor Taj Keshavarz (t.keshavarz@westminster.ac.uk).

APPLIED BIOTECHNOLOGY

This research group focuses on the application of biotechnology in a range of topical areas including antibiotics, biopolymers, biorefineries, exploitation of plant and algal resources, innovative food products and antibodies. Contact Dr Ipsita Roy (royi@westminster.ac.uk).

CELL COMMUNICATION

The research group brings together researchers across disciplines to support original research investigating mechanisms of eukaryotic and prokaryotic cell communication. The breadth of expertise of the group helps in novel approaches to cell communication. Contact Dr Caroline Smith (C.Smith24@westminster.ac.uk).

CELL SURVIVAL

This multidisciplinary group covers research interests in the areas including cancer, liver disease, mitochondria and ageing, genome stability and ageing, fertility and the identification of radiolytic markers. Contact Dr Mark Clements (clemenm@westminster.ac.uk).

HEALTH AND WELL-BEING

The group's interest is broadly health, with particular focus on diabetes and fertility and women's health. The mix of practitioners and academic researchers brings together a range of talents and resources which can be harnessed to enhance the group's future research. Contact Dr Pamela Greenwell (greenwp@westminster.ac.uk).

INFLAMMATION AND INFECTION

The remit of this group is to evaluate the role of inflammatory mediators and infectious agents in disease pathologies. Recent research includes investigation into the role of endogenous mediators in the control of inflammatory diseases including asthma, COPD and arthritis. Contact Dr Stephen Getting (s.getting@westminster.ac.uk).

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LIFE SCIENCES EDUCATION

This group supports and informs strategies to improve the student learning experience, evaluate the implementation of new strategies, and develop research and scholarship in all aspects of life and health sciences higher education. Contact Dr Joanne Murray (murray.jo@westminster.ac.uk).

PUBLIC HEALTH NUTRITION

Members of the Centre for Public Health and Nutrition have worked as consultants to the leading international agencies in nutrition including UNICEF and the World Food Programme in countries ranging from Afghanistan to Zambia. Staff have research experience in anthropology, anthropometry, dietetics, epidemiology and data analysis, food security, infectious diseases, school feeding and health, and qualitative research methods. Contact Dr Andrew Hall (A.Hall04@westminster.ac.uk).

TISSUE ENGINEERING AND REGENERATIVE MEDICINE

Regenerative medicine seeks to address the urgent need for donor organs and replacement tissues. The group offers a diverse range of expertise in histology, biomaterials, stem cell biology and cellular mechano-transduction. Contact Professor Mark Eastwood (eastwood@westminster.ac.uk).

WESTMINSTER WATER SCIENCE

This group's main objectives are to advance novel research into water science to protect and manage water resources, facilitate knowledge transfer for environmental policy making, and advance science at the interface of biological and physical sciences to influence policy and practice. Contact Dr Sharron McEldowney (mcelandows@westminster.ac.uk).

Applied Microbiology and Biotechnology MSc

This course is designed to meet industry's growing demand for people with expertise in applied microbiology and biotechnology. Theoretical studies are complemented by 'hands-on' experience of fully controlled fermenters that are up to pilot-plant scale, and are linked to modern monitoring and control systems.

In-depth studies include microbial physiology and fermentation technology, topics in biotechnology, industrial bioprocesses, microbial production of novel metabolites, bioactive compounds, types of bioreactors, monitoring and control of fermentation, and design of bioprocesses with a strong industrial bias.

Course content

Core modules: Bioprocess Design • Bioprocess Technology 1 • Bioprocess Technology 2 • Biotechnology and Business • Project A: Critical Review and Design Study • Project B: Research Project and Report • Recent Advances in Biotechnology

Option modules, choose one from: Antimicrobial Chemotherapy • Bioinformatics in Medicine • Drug Discovery and Pre-clinical Development • Environmental Biotechnology • Molecular Bioinformatics • Molecular Science and Genetics • Molecular Therapeutics • Recombinant DNA Technology

Related courses

Medical Biotechnology MSc

Length of course

One-year, full-time or two-year, part-time, one day per week

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

The course is aimed at those aspiring to be researchers and managers in the biotechnology/ pharmaceutical industries or other biosectors.

Entry requirements

You should have an Honours degree in biological sciences, biotechnology or a related discipline, or an equivalent qualification. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Biomedical Sciences MSc

This course allows you to plan your own taught programme to match your interests and experience by selecting modules from any other Bioscience Masters course in the School of Life Sciences, with the advice of the course leader. For example, you could combine modules on microbiology and molecular biology or those on haematology and clinical chemistry. Whatever the combination, you will be able to expand your understanding of human diseases, their investigation and therapy, and develop your competence in the design and execution of a laboratory-based project. The course is accredited by the Institute of Biomedical Science as part-fulfilment of the requirements needed to upgrade from Associate to Fellowship status.

Course content

Core modules: Project A: Critical Review and Design Study • Project B: Research Project and Report

Option modules: Antimicrobial Chemotherapy • Bioinformatics in Medicine • Cellular Pathology 1 • Cellular Pathology 2 • Clinical Endocrinology • Current Topics in Cellular Pathology • Current Topics in Clinical Chemistry • Current Topics in Medical Microbiology • Cytopathology • Erythron Pathophysiology • Fluids and Electrolytes • Genetics and Developmental Genetics • Haemostasis • Immunology and Pathogenicity • Immunopathology • Immunotherapy • Leucocyte Pathophysiology • Medical Microbial Physiology • Medical Microbiology and Epidemiology • Metabolic Disorders • Molecular Bioinformatics • Molecular Science and Genetics • Molecular Therapeutics • Recombinant DNA Technology • Transfusion Science

Related courses

Biomedical Sciences Graduate Diploma/Diploma • Cellular Pathology MSc • Clinical Chemistry MSc • Haematology MSc • Haematology (Transfusion Science) MSc • Medical Microbiology MSc • Medical Molecular Biology MSc • Molecular Biology in Medicine Postgraduate Certificate

Length of course

One-year, full-time

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

You will develop a range of transferable skills that will enhance your employment prospects and/or further your research opportunities in the UK or overseas. Most of the intake for this course will be international students with experience in biomedical sciences who, following completion of their studies, will return to their own countries to pursue promotion or research opportunities. UK students are welcome, preferably with relevant work experience.

Entry requirements

You must have at least a BSc Honours in biomedical sciences or in a closely related subject, a professional qualification of equivalent status and associated work experience, a Postgraduate Certificate in Biomedical Science, or an equivalent qualification deemed suitable by the course team. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Cellular Pathology MSc

This course is designed to meet the changing needs of the routine cellular pathology department. It will give you the opportunity to acquire a deeper understanding of core knowledge, and will introduce you to recent advances in cellular and molecular pathology. The course is accredited by the Institute of Biomedical Science (IBMS) as part-fulfilment of the requirements needed to upgrade from Associate to Fellowship status.

Course content

The increasing use of immunocytochemistry and molecular biological techniques in diagnostics will be important components of the course. Core modules: Cellular Pathology 1 • Cellular Pathology 2 • Current Topics in Cellular Pathology • Molecular Science and Genetics • Project A: Critical Review and Design Study • Project B: Research Project and Report
Option modules: Cytopathology • Immunopathology • Vocational and Experiential Learning in Biomedical Science

Related courses

Biomedical Sciences MSc • Biomedical Sciences Graduate Diploma/Diploma • Clinical Chemistry MSc • Haematology MSc • Haematology (Transfusion Science) MSc • Medical Microbiology MSc • Medical Molecular Biology MSc • Molecular Biology in Medicine Postgraduate Certificate

Length of course

Two-year, part-time, one day per week

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

This course is designed for those employed, or seeking to be employed, in histopathology or cytopathology departments, or in academic and industrial research laboratories.

Entry requirements

You are expected to have at least one year's laboratory experience, and be in full-time employment in a relevant laboratory. You must also normally have either a BSc Honours degree in a relevant subject, or an IBMS Fellowship or Primary Examination of the IBMS or Postgraduate Certificate in Biomedical Science, or experience or qualifications deemed suitable by the course team. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Clinical Chemistry MSc

The course will develop the knowledge and intellectual skills needed by clinical chemists working in routine and research settings. To give the right balance, modules include aspects of clinical biochemistry and laboratory management but, in contrast to other similar courses, there is particular emphasis in this MSc on the analytical aspects. The course is accredited by the Institute of Biomedical Science (IBMS) as part-fulfilment of the requirements needed to upgrade from Associate to Fellowship status.

Course content

Core modules: Clinical Endocrinology • Current Topics in Clinical Chemistry • Fluids and Electrolytes • Metabolic Disorders • Molecular Science and Genetics • Project A: Critical Review and Design Study • Project B: Research Project and Report

Option modules: Haemostasis • Immunopathology • Vocational and Experiential Learning in Biomedical Science

Related courses

Biomedical Sciences Graduate Diploma/Diploma • Biomedical Sciences MSc • Cellular Pathology MSc • Haematology MSc • Haematology (Transfusion Science) MSc • Medical Microbiology MSc • Medical Molecular Biology MSc • Molecular Biology in Medicine Postgraduate Certificate

Length of course

Two-year, part-time, one day per week

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Entry requirements

You are expected to have at least one year's laboratory experience, and be in full-time employment in a relevant laboratory. You must also normally have either a BSc Honours degree in a relevant subject, or an IBMS Fellowship or Primary Examination of the IBMS or Postgraduate Certificate in Biomedical Science, or experience or qualifications deemed suitable by the course team. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Drug Discovery and Development MSc

This course is designed to provide an insight into aspects of the drug discovery and development process, by looking at a number of diseases including cardiovascular, neuro and respiratory pathologies. It will give you the opportunity to study the principles of pharmacology, bioinformatics and toxicology for the development of novel therapeutics for their management.

Course content

Core modules: Bioinformatics in Medicine • Drug Discovery and Pre-Clinical Development • Drug Metabolism and Toxicology • Molecular Bioinformatics • Project A: Critical Review and Design Study • Project B: Research Project and Report

Option modules, choose two from: Antimicrobial Chemotherapy • Biotechnology and Business • Molecular Therapeutics

Related courses

Medical Biotechnology MSc

Length of course

One-year, full-time or two-year, part-time

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

The course is aimed at those aspiring to be researchers within university research laboratories and/or the pharmaceutical industry. During the course you will develop a range of transferable skills that will enhance your employment prospects and/or further your research opportunities in the UK or overseas. The UK and international students on the course are expected to have experience in physiology and pharmacology or biomedical sciences.

Entry requirements

You must possess at least a BSc Honours degree in physiology, pharmacology, biomedical sciences or in a closely related subject. Alternatively, you will need an equivalent qualification or experience deemed suitable by the course team. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Environmental Biotechnology MSc

This course will give you greater knowledge and understanding in the rapidly developing field of environmental biotechnology. The course will explore the underlying scientific principles of how biotechnology can be used to address current environmental issues, and how this can impact on environmental policy both nationally and internationally. It will allow you to follow particular subject-specific interests through your optional module choices.

After graduating from this course, you will have subject-specific skills and knowledge integrating science with technology, business and policy issues. You will also gain research experience at postgraduate level and develop a range of communication and other skills that will enhance your employment and/or further postgraduate education prospects.

Course content

Core modules: Bioprocess Design • Bioprocess Technology 1 • Biotechnology and Business • Critical Review and Design Study • Environmental Biotechnology • Environmental Law • Research project • Sustainable Water Management

Option modules: Bioprocess Technology 2 • Recent Advances in Biotechnology

Related courses

Water Science, Policy and Governance MSc

Length of course

One-year, full-time or two-year, part-time

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

The course is aimed at those aspiring to be researchers and managers within the environmental biotechnology sector (eg in water resource management), or looking to work the broad fields of environmental management, waste recycling, bioengineering, and consultancy (including those working for national and international regulatory agencies). During the course you will develop a range of transferable skills that may be used to enhance your employment prospects and/or further your research opportunities in the UK or overseas.

Entry requirements

You must have at least a BSc Honours degree in biological sciences, biotechnology, biochemical engineering, environmental sciences, or in a closely related discipline. Alternatively, you will need an equivalent qualification or experience deemed suitable by the course team. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Haematology MSc / Haematology (Transfusion Science) MSc

These courses are designed to cover all areas related to the use of blood as a diagnostic and therapeutic tool. The innovative and integrated approach to teaching puts the emphasis on new technologies and developments in this discipline, and you will study a range of topics covering the various aspects of Haematology and Transfusion Science, as well as completing a research project.

The courses are supported by visiting lecturers who are practising scientists in their field, which ensures that taught material is current and relevant. The courses are accredited by the Institute of Biomedical Science (IBMS) as part-fulfilment of the requirements needed to upgrade from Associate to Fellowship status.

Course content

The taught element of the courses comprises lecture and seminar sessions, and is assessed by a mixture of exams and course work. The Research Project constitutes a further two modules. If you are employed during your studies, the experimental work for this will be carried out at your place of employment, along with a critical review and design study.

In order to obtain the MSc in Haematology or Haematology (Transfusion Science), you must pass the core modules and optional modules as well as the research elements.

MSc Haematology – core modules: Erythron Pathophysiology • Haemostasis • Leucocyte Pathophysiology • Molecular Science and Genetics • Project A: Critical Review and Design Study • Project B: Research Project and Report

MSc Haematology – option modules: Immunopathology • Molecular Therapeutics • Transfusion Science • Vocational and Experiential Learning in Biomedical Science

MSc Haematology (Transfusion Science) – core modules: Erythron Pathophysiology • Haemostasis • Leucocyte Pathophysiology • Molecular Science and Genetics • Transfusion Science

MSc Haematology (Transfusion Science) – option modules: Immunopathology • Molecular Therapeutics • Vocational and Experiential Learning in Biomedical Science

Related courses

Biomedical Sciences Graduate Diploma/Diploma • Biomedical Sciences MSc • Cellular Pathology MSc • Clinical Chemistry MSc • Medical Microbiology MSc • Medical Molecular Biology MSc • Molecular Biology in Medicine Postgraduate Certificate

Length of course

Two-year, part-time, one day per week

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

This course will appeal to you if you are employed (or intend to be employed) in a haematology, transfusion or immunology laboratory, a research institution or pharmaceutical company.

Entry requirements

You will normally need a BSc Honours degree in biomedical sciences or in a closely related subject, or a professional qualification of equivalent status with at least one year's relevant experience. Other appropriate qualifications and experience will be considered by the course leader. Where appropriate, you will be interviewed. You are also likely to be working full-time in a relevant laboratory. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Medical Biotechnology MSc

The demand for process technology specialists in the pharmaceutical industries is rising. Research and development of new 'biological' pharmaceuticals is often carried out by small to medium enterprises under contract to large pharmaceutical companies. This course will give you greater awareness of the molecular biology, fermentation and engineering processes involved in producing current and new therapeutic agents, and the ways in which biotechnology developments are commercialised. You will also receive a broad grounding in fundamental subjects central to medical biotechnology.

Course content

Core modules: Biotechnology and Business • Project A: Critical Review and Design Study • Project B: Research Project and Report • Recent Advances in Biotechnology • Recombinant DNA Technology

Option modules: Bioinformatics in Medicine • Bioprocess Technology 1 • Bioprocess Technology 2 • Drug Discovery and pre-clinical Development • Drug Metabolism and Toxicity • Molecular Bioinformatics • Molecular Science and Genetics • Molecular Therapeutics

A research project is also required for successful completion of the MSc. This may be carried out at your place of employment if you study part-time.

Related courses

Applied Microbiology and Biotechnology MSc

Length of course

One-year, full-time or two-year, part-time, one day per week

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

The course is aimed at those aspiring to be researchers and managers in the pharmaceutical industry.

Entry requirements

You should normally have an Honours degree in biological sciences, biotechnology, biochemical engineering or a related discipline. Equivalent qualifications may also be accepted. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Medical Microbiology MSc

This course is designed to give you the chance to study the scientific basis of medical microbiology and some of the specialist areas within it. You will be encouraged to gain greater awareness of the importance and role of medical microbiology within biomedical sciences, and of the ethical and safety issues relevant to working in the field of medical microbiology.

Course content

Core modules: Antimicrobial Chemotherapy • Current Topics in Medical Microbiology • Immunology and Pathogenicity • Medical Microbial Physiology • Molecular Science and Genetics • Project A: Critical Review and Design Study • Project B: Research Project and Report

You undertake the research project at your own place of work.

Option modules: Medical Microbiology and Epidemiology • Vocational and Experiential Learning in Biomedical Science

Related courses

Biomedical Sciences Graduate Diploma/Diploma • Biomedical Sciences MSc • Cellular Pathology MSc • Clinical Chemistry MSc • Haematology MSc • Haematology (Transfusion Science) MSc • Medical Molecular Biology MSc • Molecular Biology in Medicine Postgraduate Certificate

Length of course

Two-year, part-time, one day per week

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

Many students joining the course will already be working within medical microbiology laboratories. However, successful completion of the course could open opportunities in both research laboratories and pharmaceutical industries.

Entry requirements

You should normally have a BSc Honours degree in biomedical sciences or in a closely related subject, a professional qualification of equivalent status and associated work experience, a Postgraduate Certificate in Biomedical Science with a medical microbiology specialism, or an equivalent qualification deemed suitable by the course team. You are likely to be working full-time in a relevant laboratory, and will be interviewed as part of the application process. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Medical Molecular Biology MSc

Research in DNA technology, bioinformatics and immunology are becoming essential elements in the routine diagnosis and treatment of a range of disorders, including gene disorders, infectious diseases and multifactorial diseases such as cancer and heart disease. This course is aimed at meeting the growing requirement for high-level training in the technologies emerging from that research.

The market for such skills includes the medical laboratory service, research institutions, forensic medicine and industries related to medicine. The latter includes traditional pharmaceutical and biotechnological companies involved in the commercial marketing of specific products, such as PCR-based diagnostic kits, DNA probes, gene therapy vectors, recombinant proteins and monoclonal antibodies. This course is accredited by the Institute of Biomedical Science (IBMS) as part-fulfilment of the requirements needed to upgrade from Associate to Fellowship status.

Course content

Core modules: Genetics and Developmental Genetics • Molecular Science and Genetics • Molecular Therapeutics • Project A: Critical Review and Design Study • Project B: Research Project and Report • Recombinant DNA Technology

Option modules: Bioinformatics in Medicine • Clinical Governance • Immunopathology • Immunotherapy • Molecular Bioinformatics • Patient and Public Involvement in Health

Related courses

Biomedical Sciences Graduate Diploma/Diploma • Biomedical Sciences MSc • Cellular Pathology MSc • Clinical Chemistry MSc • Haematology MSc • Haematology (Transfusion Science) MSc • Medical Microbiology MSc • Molecular Biology in Medicine Postgraduate Certificate

Length of course

One-year, full-time or two-year, part-time, one day per week

Location

Central London (Cavendish)

Fee band

Fee band 2, see p34

Associated careers

This course will appeal to you if you are or intend to be employed as a biomedical or clinical scientist in either the NHS, a research institution or a pharmaceutical company. It will also be useful if you wish to gain a further, more specialised qualification prior to embarking on a PhD. The course has also proved useful for medically trained doctors about to embark on research.

Entry requirements

You should normally have either a suitable Honours degree or a professional qualification of equivalent status. Other equivalent qualifications and experience will be considered by the course team on a case-by-case basis. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Molecular Biology in Medicine Postgraduate Certificate by Distance Learning

This course runs once a year (starting in October) and is aimed primarily at part-time students employed in medical laboratories and research institutions in the UK and abroad. It uses internet technology, with dedicated websites and a course CD-ROM providing most of the teaching and learning material. Although the course requires no attendance at the University, you follow three modules and complete the same course work and exams as students at Westminster, and the learning outcomes and educational benefits of completing it are identical to those of students taking the modules by normal attendance.

Once you have completed the course you can be issued with CPD (Continuing Professional Development) credits by the University as approved by the Institute of Biomedical Science (IBMS). You may also, with the agreement of the appropriate course leader, use some of the credits gained on the course for APL (Accreditation of Prior Learning) on to other postgraduate courses in the School, such as the Medical Molecular Biology MSc, Biomedical Sciences MSc or Medical Microbiology MSc.

Course content

Core modules: Molecular Science and Genetics • Molecular Therapeutics • Recombinant DNA Technology

Related courses

Biomedical Sciences Graduate Diploma/Diploma • Biomedical Sciences MSc • Cellular Pathology MSc • Clinical Chemistry MSc • Haematology MSc • Haematology (Transfusion Science) MSc • Medical Microbiology MSc • Medical Molecular Biology MSc

Length of course

One-year, part-time by distance learning

Location

Central London (Cavendish) and home study

Fee band

Fee band 2, see p34

Associated careers

The course is designed to meet the needs of practising scientists who want to update their knowledge of the theory and practical uses of molecular biology in medicine, and will enhance your professional development opportunities.

Entry requirements

You should normally have either a suitable Honours degree or a professional qualification of equivalent status. Other equivalent qualifications and experience will be considered by the course team on a case-by-case basis. If your first language is not English you should have an IELTS score of at least 6.5 (in all components), a TOEFL score of 600 (paper)/92 (internet-based) with written test at Grade 4.5 or above, or a Cambridge Certificate of Proficiency, Grade B. During the induction stage of the course, all students who do not have English as their first language will complete both Academic English screening, and any resulting recommended Academic English support activity.

Biomedical Sciences Graduate Diploma/Diploma

The course has been designed to produce 'hands-on' professionals with a broad range of skills in laboratory-based biomedical sciences. Successful completion of the course enables you to meet Standard 3a.1 of the Health Professions Council (HPC) Standards of Proficiency, which requires the knowledge components of an accredited biomedical science degree.

The course caters for the needs of non-accredited graduates, providing them not only with supplementary relevant education to meet the regulatory requirements of the HPC/IBMS, but also with a university award in recognition of completion of their study.

Course content

The supplementary education required to meet Standards 3a.1 of the HPC Standards of Proficiency is provided through modules taken from our accredited Biomedical Sciences BSc Honours. The modules being offered are those that the HPC/IBMS have deemed necessary for most of the potential students: Cellular Pathology, Clinical Chemistry, Haematology and Transfusion Science, Medical Immunology, Medical Microbiology and Principles of Laboratory Diagnosis. Additionally a work-based module, not requiring attendance at the University, is offered. Successful completion of eight modules (120 credits) are required for the Graduate Diploma and six (90 credits) for the Diploma.

Modules: Biology of Disease (30 credits) • Cellular Pathology (15 credits) • Clinical Chemistry (15 credits) • Haematology and Transfusion Science (15 credits) • Medical Immunology (15 credits) • Medical Microbiology (15 credits) • Principles of Laboratory Diagnosis (15 credits) • Work-Based Learning (15 credits)

Related courses

Biomedical Sciences MSc • Cellular Pathology MSc • Clinical Chemistry MSc • Haematology MSc • Haematology (Transfusion Science) MSc • Medical Microbiology MSc • Medical Molecular Biology MSc • Molecular Biology in Medicine Postgraduate Certificate

Length of course

Two-year, part-time, one day per week for the Graduate Diploma, or one-year, part-time, one day per week for the Diploma.

Location

Central London (Cavendish)

Fee band

Visit westminster.ac.uk/fees

Associated careers

The course is aimed at those who are already employed in a routine hospital pathology laboratory as trainee biomedical scientists, but do not have an accredited BSc in biomedical sciences.

Entry requirements

You would normally be expected to have an Honours degree in biosciences or an equivalent qualification deemed suitable by the HPC/IBMS, and a letter of recommendation from the IBMS indicating supplementary areas of biomedical sciences to be studied. Graduate applicants are expected to be working in an accredited pathology laboratory. If you did not have your secondary or tertiary education in English, you should normally have an IELTS score of at least 6.5, TOEFL (internet-based test) of 92, or a Cambridge Proficiency, Grade C or equivalent. If you have been asked by the HPC/IBMS to complete fewer areas of supplementary education you may take individual modules on a 'module buyer' basis. If you have been asked to take additional modules to those offered by the Graduate Diploma/Diploma you will also need to complete these at additional cost, in terms of both money and time.