Medical and health studies

Essentials

Taught courses
MSc, PGDip, PGCert in Anaesthesia and Perioperative Medicine
MSc, PGDip, PGCert in Cardiology
MSc, PGDip, PGCert in Clinical Radiology
MSc, PGDip, PGCert in Dementia Studies
MSc in Global Health
IMSc, PGCert in Medical Education
MSc in Medical and Healthcare Education
PGCert in Cardiology in the Community
PGCert in Diabetes Practice in Primary Care
PGDip in Physician Associate Studies
PGCert in Simulation in Clinical Practice

Research courses
MD, MPhil, PhD in Medicine

Entry requirements

Taught courses
For details on entry requirements, refer to the individual course entries at www.bsms.ac.uk/postgraduate/taught-degrees

Research courses
For details on entry requirements, refer to the individual course entries at www.bsms.ac.uk/postgraduate/research-degrees

English language requirements
IELTS 7.5, with not less than 7.0 in each section
MSc in Global Health
IELTS 7.0 with not less than 6.5 in each section

Admissions procedure

Taught courses
Apply online via the ‘Apply now’ link on the individual course entries at www.bsms.ac.uk/postgraduate

Research courses
Application forms are available from www.bsms.ac.uk/postgraduate/research-degrees/applying or by contacting:
Research Degrees Administrator,
Medical Research Building,
Brighton and Sussex Medical School,
University of Sussex, Falmer,
Brighton BN1 9PS, UK
T +44 (0) 1273 877533
F +44 (0) 1273 877884
E researchdegrees@bsms.ac.uk

 Fees
For details on fees, visit the individual course entries at www.bsms.ac.uk/postgraduate

Contact us

MSc in Global Health
T +44 (0)1273 877889
E globalhealth@bsms.ac.uk

All other taught courses
T +44 (0)1273 641782
E pgm@bsms.ac.uk

Research courses
Professor Pietro Ghezzi,
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Medical Research Building,
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T +44 (0)1273 873112
E p.ghezzi@bsms.ac.uk

www.bsms.ac.uk

Key facts

• Brighton and Sussex Medical School (BSMS) is a partnership between the Universities of Brighton and Sussex with local NHS providers. Our courses are validated by one or both universities. Each has a strong reputation in medical and healthcare teaching and research. Some clinical courses also take place in NHS Trusts that work closely with both universities.

• All our clinical courses include professional modules as standard, ensuring that you develop the skills and knowledge to meet the challenges of a changing health and social care sector. Our courses are tailored to reflect the current changes taking place within healthcare — including NHS, local authority, independent or third-sector providers delivering or planning services.

• BSMS brings together a vibrant mix of professionals from a variety of health and social care backgrounds. As a result, students gain valuable insights into other disciplines, leading to stronger team working and, ultimately, better patient care.

• Our courses are delivered by high-level practitioners, basing their teaching on the latest research and case studies. Prominent guest lecturers add to your student experience, ensuring the knowledge you gain is relevant and translatable to both national and international health.

Taught courses

Career paths
Graduates of the clinical courses are equipped to become the high-achieving consultants and clinical leaders of the future, and to deliver significant improvements to the quality of healthcare services provided to the community.

For details on course duration, structure and assessment, visit the individual course entries at www.bsms.ac.uk/postgraduate/taught-degrees

MSc, PGDip, PGCert in Anaesthesia in Perioperative Medicine
Anaesthesia and perioperative medicine are evolving areas of medicine that contribute to many areas of patient care. These courses provide evidence-based tuition in cutting-edge clinical practice, allowing trainees to study beyond the training curriculum and exam syllabus. They provide the understanding and skills to lead developments in the specialty.

MSc, PGDip, PGCert in Cardiology
MSc, PGDip, PGCert in Cardiology in the Community
These internationally recognised courses translate the core cardiology curriculum into advanced courses suitable for any professional. A blend of clinical and professional modules equips you with an understanding of the key principles in the practice of cardiology and the skills required to undertake senior clinical roles.

MSc, PGDip, PGCert in Clinical Radiology
Radiology is an expanding specialty in the UK. This clinically focused course is specifically designed for radiologists, blending clinical knowledge with learning in the key professional domains of research, leadership and teaching. Modules are integrated with the FRRCR training structure and can be studied at a pace to meet individual needs. This course is subject to validation.

MSc, PGDip, PGCert in Dementia Studies
Dementia is a growing problem globally. There are over 800,000 sufferers in the UK and 44 million worldwide, posing a major challenge for treatment and care. These courses comprise a new set of educational initiatives designed to enable healthcare professionals to improve the quality of life of dementia sufferers by building the skills in generating and delivering better care. Clinical knowledge is blended with communication for health and social care, research and leadership learning.

MSc in Global Health
In the 21st century, improving health and achieving equity in health are some of the world’s greatest challenges. This MSc aims to develop your understanding of global health determinants and their potential solutions in order to equip individuals to contribute to the improvement of health and the achievement of equity in health worldwide.
BSMS is enabling better healthcare regionally, nationally and globally. Find out more by downloading or ordering the BSMS Postgraduate Brochure at www.bsms.ac.uk/postgraduate/postgraduate-brochure

**MSc in Medical and Healthcare Education**

This new MSc allows teachers from any clinical discipline to specialise in the academic aspects of medical and clinical education in a supportive environment. The course blends critical and theoretical approaches to medical and clinical education and research with reflective and supported formative educational practice, both in the classroom and the workplace. It is accredited with the Academy of Medical Educators (AoME) in the UK, and offers automatic membership of AoME following successful completion of the course to PG Cert level. This course is subject to validation.

**IMSc, PGCert in Medical Education**

The aim of these courses is to promote knowledge of learning and teaching theories in a medical and health context and to facilitate a reflective awareness of your own teaching and learning practice, ensuring that the teacher is also a learner.

**PGCert in Diabetes Practice in Primary Care**

This course provides advanced professional education in diabetes care for a wide range of practitioners working in primary care, including general practitioners, nurses from primary care, podiatrists and pharmacists.

Practitioners gain knowledge of current best practice in the diagnosis and management of diabetes, the epidemiology of diabetes Type 1 and Type 2 and pathophysiology, treatment and lifestyle modification. Clinical learning is blended with teaching in organisational and policy contexts. This course is subject to validation.

**PGDip in Physician Associate Studies**

At a time of significant change in the NHS, Physician Associates (PAs) are playing an increasingly valuable role supporting doctors in the diagnosis and management of patients. This innovative course, designed in partnership with the Universities of Kent, Surrey and Sussex, provides students with the knowledge, professional and clinical skills to work as a PA in the region or nationally. The curriculum is based on clinical cases and involves small-group work and significant time in clinical simulation facilities and local primary and secondary placements. For further information, visit www.ukapa.co.uk

This course is subject to validation.

**PGCert in Simulation in Clinical Practice**

Simulation-based education is now widely used in training. This new course will allow participants from the NHS workforce to advance their skills and knowledge in a mix of theoretical and practical sessions including group work activities, debriefing and feedback, the exploration of technical issues and fidelity, and the development of a simulation-based project suited to the workplace setting. This course is subject to validation.

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**Research courses**

**MD, MPhil, PhD in Medicine**

BSMS postgraduate research covers a broad range – from basic science through clinical projects to medical ethics and social science. BSMS’s overlapping research groupings and research environment provide you with potential for interdisciplinary interactions. This may involve supervisors with a background in fundamental science working together with clinicians to provide an exciting and productive research environment. Other projects are enhanced by the input of ethics research into research on human genetics or disease.

There are strong links with neighbouring research centres such as the Blond McIndoe Research Foundation, East Grinstead, which specialises in research into tissue regeneration. Our research students’ mix of backgrounds, from clinical to basic science and to social science, encourages an interdisciplinary and collaborative environment.

**Supervision and facilities**

You are jointly supervised by BSMS staff from the Universities of Brighton or Sussex and by practising clinicians, providing a rich research experience. Skills-training modules, facilities and equipment are available at both Universities, as well as facilities in NHS research laboratories.

**Funding**

Most of the current BSMS postgraduate students registered for MPhil/PhD degrees are funded by research councils, BSMS, the Department of Health or medical charities such as the Wellcome Trust. Future funding may be available through several NHS funding initiatives, as well as commercial funding. Details of funding available for particular research degrees will be advertised along with each research project. For all projects we have to ensure that funding is in place before the project starts.

**Current thesis titles and areas of interest**

A study of the impact of service-user engagement as peers and partners in commissioning and leading health and social care services with clinicians

Quality of life and quality of care in dementia

Understanding the molecular basis of Mycobacterium tuberculosis pathogenicity

Developing an algorithm for predicting children with severe asthma

Epigenetic factors and mechanisms of neuronal death in motor neurone disease

**Career paths**

A PhD at BSMS aims to develop your skills to work as a researcher in cutting-edge technologies in subjects related to health and biomedical science. Our PhD and MD graduates have progressed into clinical academic careers, are working in biomedical science companies, or have continued to work in academic science as postdoctoral researchers.

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**Specialist facilities**

BSMS’s state-of-the-art Medical Research Building on the Sussex campus provides an outstanding resource for around 50 medical research scientists. Laboratory facilities include molecular biology equipment, tissue culture laboratories, advanced microscopy equipment and a flow cytometer.

The Trafford Centre provides laboratory facilities for research groups working on inflammation, neuroinflammation and redox biology. Specialist equipment includes tissue culture laboratories, a pyrosequencer, robotic liquid handling equipment and molecular biology facilities.

The Clinical Imaging Sciences Centre provides a resource for translational research in oncology and neuroscience. It houses an integrated 64-slice PET-CT imaging system and a 1.5T MR imager.

The 10-bedded Clinical Investigation and Research Unit at the Royal Sussex County Hospital provides bespoke facilities for detailed physiological investigation, as well as laboratory facilities and opportunities for qualitative research by interview, patient-centred research and postgraduate research training.

The Clinical Skills Suite at Mayfield House on the University of Brighton Falmer campus provides the setting for a range of simulation-based activities, from the use of low-fidelity manikins to a state-of-the-art METI simulator and human patient simulation in clinical scenarios.

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**Faculty research interests**

The research interests of BSMS faculty are based around a range of research areas:

- cancer
- cell and developmental biology
- elderly care and stroke
- global health
- imaging
- infection and immunology
- medical education
- medical ethics
- medical informatics
- neuroscience
- paediatrics
- primary care and health services
- psychiatry
- rheumatology.

Visit www.bsms.ac.uk/research