



This specification provides a summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if they take full advantage of the learning opportunities that are provided.

The content of our courses is reviewed annually to make sure it's up-to-date and relevant. Individual modules are occasionally updated or withdrawn. This is in response to discoveries through our world-leading research; funding changes; professional accreditation requirements; student or employer feedback; outcomes of reviews; and variations in staff or student numbers. In the event of any change we will inform students and take reasonable steps to minimise disruption.

### Programme Details

<b>1. Programme title</b>	Medical Sciences Research		
<b>2. Award type</b>	Bachelor of Science		
<b>3. Programme details</b>	<b>FHEQ Level:</b> 6	<b>Mode of Study:</b> Full time	<b>Duration:</b> 1 year
<b>4. Faculty</b>	Faculty of Health		
<b>5. School</b>	<b>Owning:</b> School of Medicine and Population Health		
<b>6. Accrediting Professional or Statutory Body</b>	None		
<b>7. HECoS code</b> <i>Select between one and three codes from the <a href="#">HECoS vocabulary</a>.</i>	<b>Code:</b> 100267 <b>Percentage:</b> 100	<b>Code:</b> <b>Percentage:</b>	<b>Code:</b> <b>Percentage:</b>
<i>Programme code (internal use)</i>	SMPU005		

## 9. Programme aims

The programme aims to:	
<b>A1</b>	To provide an enhanced knowledge and understanding of biomedical research and its methods.
<b>A2</b>	To develop skills in research evaluation, communication and ethics.
<b>A3</b>	To allow students to apply the above through core skills development and an extended research project.

## 10. Programme learning outcomes

<b>Knowledge and understanding (K)</b> On successful completion of the programme, students will be able to demonstrate knowledge and understanding of:	
<b>K1</b>	The place of research in medicine.
<b>K2</b>	Current medical or surgical research and its methods.
<b>K3</b>	The conduct of research in accordance with correct research methodologies and procedures.
<b>K4</b>	The importance of conducting research in accordance with up-to-date ethical guidelines and policies.
<b>K5</b>	The fundamental principles of designing research projects and protocols.
<b>Skills and other attributes (S)</b> <i>When considering the skills and attributes developed in this programme, please refer to the Sheffield Graduate attributes (SGAs). <a href="#">SGAs can be found here</a></i> On successful completion of the programme, students will be able to:	
<b>S1</b>	Design a research project in accordance with appropriate research methodologies and ethical principles and learn to work independently.
<b>S2</b>	Exercise independent judgment and critical thinking and self-direct their learning.
<b>S3</b>	Apply basic statistical methods to data evaluation and interpretation.
<b>S4</b>	Present work orally and in writing to an academic audience displaying good written and oral communication skills.
<b>S5</b>	Produce a well-structured dissertation to present the results of their research project by applying good time-management skills to structure their work and meet deadlines.
<b>S6</b>	IN ADDITION: students undertaking the surgery module will demonstrate safe practice in the surgical theatre environment.

**11. Learning and teaching methods** *(this should include a summary of methods used throughout the programme, including any unique features and should be written with a student focus as this information will display to current students and applicants i.e. prospectus)*

All students will have teaching in fundamental ethical concepts in research, and ethical considerations in scientific writing, academic integrity, appropriate use of AI and the media portrayal of science. Students will also receive an introduction to key data generation and analysis methods relevant to medical research, and develop their critical appraisal skills. To advance their data analysis skills students will have teaching in fundamental statistical methods. All students will also undertake a research project, through which students are encouraged to self-direct their learning. This approach is fostered by the development of a close, professional supervisor/supervisee relationship as is more commonly found in the structure of higher degrees by research. Students are encouraged to present their work at departmental research seminars. Transferable skills are embedded within all aspects of the programme, such as the self-learning requirement, preparation for different types of assessments, tutor and supervisor feedback, participation in tutorials and opportunities for personal reflection.

Students then have a choice of either an “Understanding Medical Research Practice” or Understanding Surgical and Anaesthetic Practice” module. Both modules consist of interactive tutorials, class discussions/workshops and some lecture content. In addition the Medical Research Practice students will have clinical experience in the CRF and/or Western Park Clinical Trials centre, and the Surgical & Anaesthetic Practice students will have surgical skills teaching and clinical attendance.

**12. Assessment and feedback methods** *(this should include the range of types of methods used and should be written with a student focus as this information will display to current students and applicants i.e. prospectus)*

There is a range of assessment types including a group ethics presentation, statistical analysis, written assignments, individual oral presentations, and a project dissertation. In all cases the learning outcomes from each module are carefully matched to the method of assessment.

<b>Version Number:</b>	<b>Purpose / Change:</b>	<b>Cohort affected: (academic year and level)</b>	<b>Date change approved:</b>
1			January 2009
2	Programme Simplification	26/27 - Year 1	June 2025

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