



THE UNIVERSITY *of* EDINBURGH  
**COLLEGE OF MEDICINE  
AND VETERINARY MEDICINE**

## **MSc/PgDip Transfusion, Transplantation and Tissue Banking**

Improve your career prospects with our flexible 2-3 year part time course for those working within the NHS/industry.



**[www.ed.ac.uk/pg/233](http://www.ed.ac.uk/pg/233)**



# MASTERS (MSc) IN TRANSFUSION, TRANSPLANTATION AND TISSUE BANKING

[www.ed.ac.uk/pg/233](http://www.ed.ac.uk/pg/233)

**Programme start date: September 2017 (Part Time course – 3 yrs Duration)**



## PROGRAMME AIM

This part-time programme is organised in collaboration with the Scottish National Blood Transfusion Service (SNBTS). In the fields of Transfusion, Transplantation and Tissue Banking, SNBTS has a leading international reputation and the programme is accredited by the Institute of Biomedical Science (IBMS), the professional body for Biomedical Scientists in the United Kingdom.

The programme has been designed to be aligned to the NHS requirements and stipulations relating to career progression for Biomedical Scientists, Clinical Scientists and other healthcare professionals working in these fields.

The programme will give you in-depth expertise and knowledge of the science, regulations and international practices in transfusion, transplantation and tissue banking, for those aiming for more senior management roles in healthcare organisations.

The programme covers the following areas:

- Fundamentals of Transfusion Science
- Quality and GMP
- Blood Donation Processing and Testing
- Immunology and Molecular Biology of Transfusion
- Clinical Blood Banking
- Transplantation and Tissue Banking
- Information technology and Donation
- Biopharmaceutical Transfusion and Clinical Trials
- Management and Communication
- Governance/Ethics/Risks of Transfusion
- Research skills

## CAREER OPPORTUNITIES

The Masters in Transfusion Transplantation and Tissue Banking is aligned with the Health Service requirements for career progression for Healthcare Scientists and other healthcare professionals working in these fields

## STRUCTURE AND CONTENT

Year 1 2017/2018		
18 <sup>th</sup> – 22 <sup>st</sup> Sept 2017	<a href="#">GMED10001</a> 10 credits	Management & Communication
13 <sup>th</sup> – 16 <sup>th</sup> Nov 2017	<a href="#">GMED11003</a> 10 credits	Blood Donation Processing & Testing + Governance/Ethics/Risks of Transfusion
Friday 17 <sup>th</sup> Nov 2017	<a href="#">GMED10001</a>	Presentation Skills
22 <sup>nd</sup> – 26 <sup>th</sup> Jan 2018	<a href="#">GMED11006</a> 20 credits	Transplantation and Tissue Banking
7 <sup>th</sup> – 10 <sup>th</sup> May 2018	<a href="#">GMED11004</a> 10 credits	Immunology & Molecular Biology of Transfusion
Year 2 2018/2019		
17 <sup>th</sup> – 20 <sup>th</sup> Sept 2018	<a href="#">GMED11001</a> 20 credits	Quality and GMP, Fundamentals of Transfusion Science & Communication
12 <sup>th</sup> – 15 <sup>th</sup> Nov 2018	<a href="#">GMED11002</a> 10 credits	Information Technology & Donation
21 <sup>st</sup> – 24 <sup>th</sup> Jan 2019	<a href="#">GMED11005</a> 20 credits	Biopharmaceutical Transfusion, Clinical Trials & Clinical Blood Banking
29 <sup>th</sup> April – 3rd May 2019	<a href="#">GMED11007</a> 20 credits	Review, Revision and Diploma Examination
Year 3 2019/2020		
Sept 2019 – Mar 2020	<a href="#">GMED11118</a> 60 credits	Research in Transfusion, Transplantation and Tissue Banking

## MODES OF STUDY

This course currently is only offered as a part time programme and students are expected to finish it within 3 years.

## ACCREDITATION

The programme has been accredited by the Institute of Biomedical Science (IBMS) which is the professional body for Biomedical Scientists in the United Kingdom. It aims to promote and develop Biomedical Science and its practitioners.

## LEARNING, TEACHING AND ASSESSMENT STRATEGIES

A variety of learning experiences and assessment tasks will stimulate interest, encourage participation and develop transferable skills. Throughout the programme, summative and formative assessment techniques will be employed. Summative assessment in the form of:

- End of course test “Spot Tests” (multiple choice or short answer questions)
- End of course assignments
- Diploma Examination
- Research Report/Literature review assessment

Formative assessment will take place throughout the course in the form of:

- Debates/Group Discussion
- Observation/Verbal
- Informal Q&A
- Self assessment
- Data analysis exercises

## AWARDS

It will be possible to exit the programme with a Postgraduate Diploma in Transfusion, Transplantation and Tissue Banking, provided the criteria detailed in the handbook has been achieved. The Diploma examination undertaken on course eight must be passed at masters level in addition to achieving a masters level pass for all the mandatory courses on the programme before progression to the third year of the programme. Successful completion of all the above will result in the award of MSc in Transfusion, Transplantation and Tissue Banking.

## ENTRANCE REQUIREMENTS

Applicants should have a UK 2:1 honours degree, or its international equivalent, in a relevant biological science. You should also have at least two years' experience working in a relevant discipline, in a healthcare setting, and currently be working in a transfusion, transplantation or tissue-banking environment. Candidates who do not meet this criteria but who have additional UK professional qualifications (or international equivalents) may be considered on a case by case basis. In addition applicants should be able to communicate well in English both in writing and verbally (IELTS score 7.0 with at least 6.5 in all sections).

Attendance at all eight taught courses is required and it is up to the student to arrange travel to Edinburgh and accommodation for the specified dates. Information regarding fees for postgraduate taught programmes can be found: [www.ed.ac.uk/schools-departments/student-funding/tuition-fees/postgraduate/taught-fees](http://www.ed.ac.uk/schools-departments/student-funding/tuition-fees/postgraduate/taught-fees)

## PROGRAMME START DATE

There is currently one entry point to the programme every two years in September. Next entry point will be September 2017. Applications can be made using the university link: [www.ed.ac.uk/pg/233](http://www.ed.ac.uk/pg/233). Closing date 4th Aug 2017. Applications after that date will only be considered by contacting the programme lead in the first instance and will also be subject to availability of spaces

## PROGRAMME LEAD

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