PRENATAL GENETICS AND FETAL MEDICINE MSc / 2018/19 ENTRY

www.ucl.ac.uk/graduate/women
This MSc aims to provide medical and science students with a comprehensive knowledge and understanding of the field of prenatal genetics and fetal medicine, specifically human genetics, human embryonic development and fetal medicine. There is a strong focus on the development of key skills and careers advice in the programme.

**Degree summary**

Students will develop a knowledge and understanding of the field of prenatal genetics and fetal medicine, specifically in the areas of basic genetics and technology, genetic mechanisms, medical genetics, organogenesis and fetal development, gametogenesis and IVF, prenatal diagnosis and screening, fetal and perinatal medicine, and preimplantation genetic diagnosis and developing technology. They gain transferable skills including information technology, analysis of scientific papers, essay writing, seminar presentation, research techniques, peer review and laboratory skills.

// The UCL Institute for Women’s Health delivers excellence in research, clinical practice, education and training in order to make a real and sustainable difference to women’s and babies’ health worldwide.

// The institute’s UCL/UCL Hospitals NHS Foundation Trust collaboration provides an academic environment in which students can pursue graduate studies taught by world-class researchers and clinicians.

// Our diversity of expertise in maternal and fetal medicine, neonatology, reproductive health and women’s cancer ensures a vibrant environment in which students develop subject-specific and generic transferable skills, supporting a broad range of future employment opportunities.

The programme is delivered through a combination of lectures, seminars, tutorials, practical demonstrations in laboratories, observation days in fetal medicine and IVF units, and student presentations. There are a number of peer-led learning activities. Assessment is through essays, patient case reports, critical reviews of papers, online problem booklet, examinations and the dissertation.

**Degree structure**

Mode: Full-time: 1 year; Part-time: 2 years; Flexible: 2-5 years
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of eight core modules (120 credits) and a research project (60 credits).

A Postgraduate Diploma consisting of eight core modules (120 credits, full-time nine months, flexible study two to five years) is offered.

### MANDATORY MODULES

- Basic Genetics and Technology
- Gametogenesis, Preimplantation Development and IVF
- Genetic Mechanisms
- Medical Genetics
- Organogenesis and Fetal Development
- Prenatal Diagnosis and Screening
- Fetal and Perinatal Medicine
- Preimplantation Genetic Diagnosis and Developing Technology

### OPTIONAL MODULES

There are no optional modules for this programme.

### DISSERTATION/REPORT

All MSc students undertake a clinical, laboratory, audit or library-based research project, which culminates in a dissertation of 10,000 words.
Your career

On completion of the programme, all students will have gained knowledge of both the clinical and laboratory aspects of prenatal genetics and fetal medicine. This will enable the science-orientated students to go on to pursue research degrees, further training for careers in prenatal diagnosis or embryology, or other careers in the field or in general science. Medically-orientated students will be able to develop their careers in the field of fetal medicine.

Recent career destinations* include:

- Doctor, South West Yorkshire Partnership NHS Foundation Trust
- Senior Genetic Counsellor, King Faisal Specialist Hospital & Research Centre
- Trainee Clinical Embryologist, George’s Memorial Medical Centre
- Clinical Research Nurse, UCL
- PhD in Prenatal Diagnosis, National and Kapodistrian University of Athens

Employability

Throughout the MSc programme students learn key skills through peer-led activities, such as evaluating and presenting orally on patient cases and media coverage of scientific papers. Students learn how to write essays and patient case reports and how to critically evaluate papers. They also have the opportunity to take part in debates and ethical discussions and to learn basic laboratory techniques. We offer a comprehensive careers programme involving our alumni, covering job applications, CV writing, general careers in science and specific advice on careers in embryology, clinical genetics, medicine and research degrees.

* Careers data is taken from the ‘Destinations of Leavers from Higher Education’ survey undertaken by HESA looking at the destinations of UK and EU students in the 2013-2015 graduating cohorts six months after graduation.
Entry requirements

To be eligible for registration, normally a candidate must have obtained a minimum of an upper second-class Bachelor's degree in a relevant science-based discipline, or a medical qualification (MBBS) from a UK university or an overseas qualification of an equivalent standard.

English language proficiency level

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: Good.

Information about the evidence required, acceptable qualifications and test providers is provided at: www.ucl.ac.uk/graduate/english-requirements

Your application

When we assess your application we would like to learn:

// why you want to study Prenatal Genetics and Fetal Medicine at graduate level
// why you want to study Prenatal Genetics and Fetal Medicine at UCL
// what particularly attracts you to the chosen programme
// how your academic and professional background meets the demands of this programme
// where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

Application fee: There is an application processing fee for this programme of £75 for online applications and £100 for paper applications. More details about the application fee can be found at www.ucl.ac.uk/prospective-students/graduate/taught/application.

FEES AND FUNDING 2018/19 ENTRY

// UK: £11,760 (FT), £5,800 (PT)
// EU: £11,760 (FT), £5,800 (PT)
// Overseas: £26,670 (FT), £13,350 (PT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Current Students website.

Full details of funding opportunities can be found on the UCL Scholarships website: www.ucl.ac.uk/scholarships

APPLICATION DEADLINE

All applicants: 27 July 2018

Details on how to apply are available on the website at: www.ucl.ac.uk/graduate/apply

CONTACT

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EU referendum

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to www.ucl.ac.uk/eu-referendum

This information is for guidance only. It should not be construed as advice nor relied upon and does not form part of any contract. For more information on UCL’s degree programmes please see the UCL Graduate Prospectus at www.ucl.ac.uk/graduate