

LONDON'S GLOBAL UNIVERSITY



UCL

ASTROPHYSICS MSc /
2017/18 ENTRY

www.ucl.ac.uk/graduate/physast



Astrophysics MSc /

This MSc provides students with the skills, knowledge and research ability for a career in astrophysics. The programme is designed to satisfy the need, both nationally and internationally, for well-qualified postgraduates who will be able to respond to the challenges that arise from future developments in this field.

Degree summary

Students develop insights into the techniques used in current astrophysics projects, and gain in-depth experience of a particular specialised research area, through project work, as a member of a research team. The programme provides the professional skills necessary to play a meaningful role in industrial or academic life.

- // UCL Physics & Astronomy is among the top departments in the UK for graduate study.
- // The department's participation in many international collaborations means we provide exceptional opportunities to work as part of an international team. Examples include the Dark Energy Survey - investigating the origin of the accelerating universe and the nature of dark matter, the Hubble Telescope and the Cassini project.
- // In some cases, opportunities exist for students to broaden their experience by spending part of their time overseas.

The programme is delivered through a combination of lectures, seminars, tutorials and practical, laboratory and computer-based classes. Student performance is assessed through coursework and written examination. The research project is assessed by literature survey, oral presentation and the dissertation.

Degree structure

Mode: Full-time: 1 year; Part-time: 2 years

Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of a choice of six optional modules (90 credits), a research essay (30 credits) and a research dissertation (60 credits).

A Postgraduate Diploma (120 credits, full-time nine months, part-time two years) is offered.

OPTIONAL MODULES 1 (15 CREDITS EACH)

// Students choose four of the following:

// Planetary Atmospheres

// Solar Physics

// High-energy Astrophysics

// Stellar Atmospheres and Stellar Winds

// Galaxy and Cluster Dynamics

// Cosmology

// Mathematics for General Relativity

// Space Plasma and Magnetospheric Physics

OPTIONAL MODULES 2 (15 CREDITS EACH)

// Students choose two of the following:

// Physics MSc core modules

// Space and Climate Science MSc core modules

// Medical Physics MSc core modules

// Intercollegiate fourth year modules

// Physics and Astrophysics MSc fourth-year modules

// Plastic and Molecular (Opto)electronics

DISSERTATION/REPORT

// Students submit a critical research essay of approximately 8,000 words and undertake an in-depth research project which culminates in a formal report and oral presentation.

Your career

Astrophysics-based careers embrace a broad range of areas, for example information technology, engineering, finance, research and development, medicine, nanotechnology and photonics. Employers regard a physics degree as flexible and highly desirable university training.

Employability

Astrophysics opens up many avenues to employment through the skills acquired: problem-solving; the training of a logical and numerate mind; computation skills; modelling and material analysis; and the ability to think laterally. In addition, work vision and enthusiasm make physics graduates highly desirable members of all dynamic companies.



Entry requirements

A minimum of an upper second-class Bachelor's degree in a relevant discipline 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: **Standard.**

Information about the evidence required, acceptable qualifications and test providers is provided at:

www.ucl.ac.uk/graduate/english-requirements

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

- // why you want to study Astrophysics at graduate level
- // why you want to study Astrophysics at UCL
- // what particularly attracts you to the chosen programme
- // how your academic and professional background meets the demands of this challenging 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.

FEES AND FUNDING 2017/18 ENTRY

// UK: £9,840 (FT), £4,970 (PT)

// EU: £9,840 (FT), £4,970 (PT)

// Overseas: £25,130 (FT), £12,950 (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.

Candidates may be eligible for a Santander scholarship. For further details please visit:

www.ucl.ac.uk/study/scholarships/graduate/UK-EU-Master/santander-master/

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

APPLICATION DEADLINE

All applicants: 28 July 2017

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

