

Master of Science in Astronomy and Astrophysics



DURATION

2 years (full-time), 120 ECTS

APPLICATION DEADLINE

1 March (for non-EEA citizens)

1 June (for EEA citizens)

ACADEMIC CALENDAR



1st semester: 3rd week of September → end of January (exams in January)



2nd semester: 2nd week of February → July (exams in June)

www.kuleuven.be/academiccalendar

"The scientific baggage and the competences that I gained during my education as astronomer and PhD are naturally invaluable."

(Dr. Karolien Lefever,
Head of Communications at the Royal
Belgian Institute for Space Aeronomy)

The field of astronomy is gaining importance worldwide, fuelled by new technological developments. New generations of instruments, situated both on the earth's surface and in space, enable astronomers to study the origin, structure, and evolution of planets, stars, star systems, and the universe. Over the coming decades, astronomy will undoubtedly play a prominent role in international basic research.

The Master of Science in Astronomy and Astrophysics programme offers a wide range of courses on the subfields of astronomy and on research methodology. Special attention will be devoted to the analysis and astrophysical interpretation of data, as well as to the technological aspects of international astronomical research.

Upon successful completion of this programme, you will have acquired:

- A thorough insight into various aspects of astronomy;
- a developed understanding of the sciences contributing to astronomy;
- a critical research attitude developed through gradual training;
- the ability to define and formulate strategies to study complex questions;
- the ability to integrate technological developments in basic research;
- the ability to construct simple numeric and physical-mathematical models to study data within a theoretical framework.

Programme

The Master of Science in Astronomy and Astrophysics programme consists of 120 ECTS (European Credit Transfer System - ECTS), divided over two years. In the first year, theoretical courses provide a solid foundation for further study, while students develop their research skills by undertaking a research project. The second year includes the Master's thesis, conducted in one of the department's astronomy research groups.

For detailed descriptions of the courses and for the course timetable, please consult www.kuleuven.be/ma/emaastr/programme.

Admission requirements

To be eligible for the Master of Astronomy and Astrophysics, you must have obtained an academic bachelor's degree in the field of physics or mathematics.

Good knowledge of the English language is essential. Unless you are of Anglo-Saxon origin, you will be asked to submit a TOEFL or IELTS certificate. If you have already completed an English-language academic programme at an Anglo-Saxon university, your degree will be considered sufficient proof of your English proficiency.

Programme admission: www.kuleuven.be/ma/emaastr

General admission: www.kuleuven.be/admissions

Master of Science in Astronomy and Astrophysics



Discover KU Leuven

Founded in 1425, the University of Leuven (KU Leuven) has been a centre of learning for almost six centuries. Today, it is Belgium's largest and highest-ranked university as well as one of the oldest and most renowned universities in Europe. As a leading European research university and co-founder of the League of European Research Universities (LERU), KU Leuven offers a wide variety of programmes in English supported by high-quality interdisciplinary research.

Within the field of science, engineering, and technology, KU Leuven offers five academic educational profiles organized in five faculties: Science, Engineering Science, Bioscience Engineering, Engineering Technology, and Architecture. Boasting an outstanding central location in the heart of Europe, KU Leuven offers a truly international experience, high-quality education, world-class research and cutting-edge innovation.

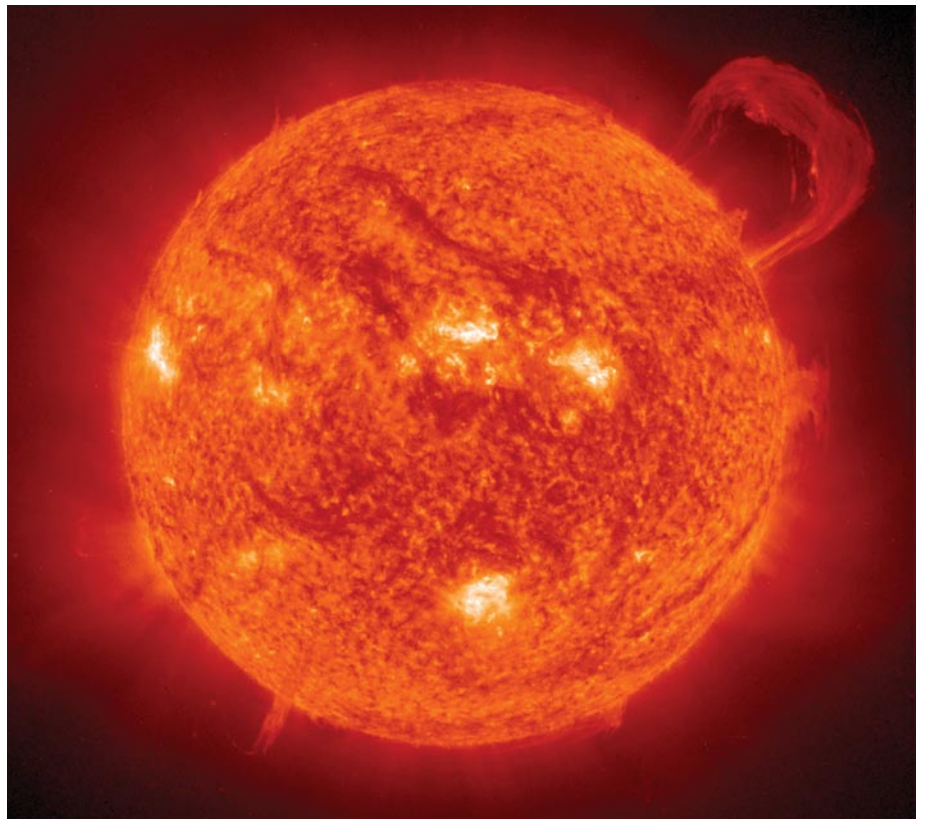
Tuition fees

The tuition fee for the academic year 2016 -2017 is € 890 for both EEA students and non-EEA students. The tuition fees for future academic years can be slightly higher as a result of indexation. Please consult the website for the most recent information:

www.kuleuven.be/tuitionfees.

Application procedure

KU Leuven uses an online application system. You can download and submit your application form via www.kuleuven.be/application. Students with a Flemish degree can consult www.kuleuven.be/studentenadministratie.



Career perspectives

A research-oriented Master's programme in Astronomy and Astrophysics is essential to ensuring high-quality astronomy research. You will have a competitive advantage when applying for a PhD, either locally or abroad, and the skills you acquire will also prepare you for research careers in a broad range of professional environments.



KU Leuven is a founding member of
the League of European Research Universities

Contact:

www.kuleuven.be/ma/emaastr