



ESO/L. Calçada

#### DURATION OF STUDIES

2 years (4 semesters)

#### LANGUAGE OF INSTRUCTION

English

#### CONDITIONS OF REGISTRATION

[www.unige.ch/conditions/MA](http://www.unige.ch/conditions/MA)

#### ADMISSION CONDITIONS

A Bachelor in Physics, or an equivalent degree.

### *Master's Programme*

## THE MASTER IN ASTROPHYSICS

provides advanced training in astrophysics with an emphasis on exo-planetology, stellar and extra-galactic physics, ground- and space-based instrumentation, and concepts and tools of modern data science. It includes common courses and a specialisation in one of the above domains. The programme and dissertation work take place in a renowned research institute (the Department of Astronomy of the University, also known as the "Geneva Observatory"), offering direct contacts with the local research groups and with international collaborations which use and contribute to state-of-the-art facilities of the field (ESO, ESA, NASA, and others).

Through the programme, students acquire both a solid foundation in modern astrophysics and expertise in their field of specialisation. The programme leads to careers in areas such as research, teaching and industry, and develops valuable skills for future.

#### AVAILABLE ORIENTATIONS:

- Exoplanetology
- From stars to the Universe
- Instrumentation and data analysis

[www.unige.ch/sciences/astro/en/education](http://www.unige.ch/sciences/astro/en/education)

## STUDY PROGRAMME

4 semesters (max. 8 semesters) | 120 ECTS credits

**Specialisation courses and electives, seminars, course work**  
60 credits

### Dissertation

60 credits

### PLANETS

*Origin, evolution and characterisation of planets in the solar system and beyond. Since the discovery of exo-planets by the UNIGE back in 1995, planetology now not only focuses on discovery, but on the physical and chemical characterisation of these new worlds. In this context the activities of PlanetS concern three main themes: the origin, evolution, and characterization of planets and planetary systems as a whole. Ultimately, PlanetS lays the foundations of a Swiss Institute of Planetary Sciences that will carry on these activities beyond the lifetime of the National Centre of Competence in Research.*

[nccr-planets.ch](http://nccr-planets.ch)

## ACADEMIC CALENDAR

[www.unige.ch/calendar](http://www.unige.ch/calendar)

## LEVEL OF FRENCH REQUIRED BY UNIGE

**No French proficiency test required for non-Francophones.**

## MOBILITY

Students may conduct research outside the university, under the supervision of a faculty member, or do a work placement at a leading external laboratory in order to complete their Master's degree.

[unige.ch/exchange](http://unige.ch/exchange)

## PROFESSIONAL PROSPECTS

The Master in Astrophysics leads to a number of opportunities both in Switzerland and abroad, including:

- Research
- Data Science
- International organisations (ESA, ESO)
- Industry
- Teaching
- Communication and science outreach

## UNIVERSITY TAXES

500 CHF / semester

## REGISTRATION

**Deadline: 30 April 2020**  
(28 February 2020 for applicants subject to a visa because of their nationality, as set forth in Swiss federal regulations)

[unige.ch/enrolment](http://unige.ch/enrolment)

## CONTACTS FOR STUDIES

### FACULTY OF SCIENCE

Sciences II  
30 quai Ernest-Ansermet  
1211 Genève 4

### STUDENT AFFAIRS

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### ACADEMIC ADVISOR

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### DEPARTMENT OF ASTRONOMY

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