



The new ISU Master's degree program integrates global space economy trends to provide cutting edge knowledge covering all aspects of the space domain.

ISU introduces in the academic year 2023/2024 a revised and updated curriculum of its Master's degree program: Space Studies, designed to reflect the many recent changes in space operations, business and science. The main goal of the new ISU Master's degree program: Space Studies, also called Master of Science (MSc) in Space Studies, is the preparation of interdisciplinary space professionals, ready to meet the needs of the rapidly developing space sector.

With the arrival of NewSpace, new business models and partnerships between academia,

research organizations and industry are emerging. The space sector is increasingly integrated with other economic sectors, and international cooperation and multi-stakeholder partnerships are key for innovation.

ISU's Master's degree program: Space Studies is accredited and aligned to Level 7 of the European Qualifications Framework for Life-long Learning (EQF LLL). The program is designed for students from a diverse range of educational, cultural, and professional backgrounds.

Semester 1

Students learn the language and terminology of each space discipline and work and communicate in interdisciplinary teams in a unique 3Is approach (interdisciplinary, international, intercultural). Furthermore, students broaden and deepen their understanding of the interdisciplinary aspects of Space Studies.

The curriculum includes the choice of three tracks in the second semester:

Track 1

Space Engineering and Applications

This track provides content in space systems engineering and space applications including the recent advancements in Earth observations, telecommunication, and navigation systems. Students will learn to identify, formulate, and solve advanced problems in aerospace engineering and the applications of satellite technologies. They will apply knowledge and understanding of space systems, innovative technologies, and project management principles in multidisciplinary environments.

Semester 2

Students choose a specialized track to acquire in-depth knowledge on one core subject area of Space Studies. Interdisciplinary workshops across all tracks allow students to obtain a high-level academic interdisciplinary knowledge, work together as a team, and integrate cross-disciplinary aspects.

Track 2

Space Science and Exploration

This track provides content in astronomy and planetary science as well as robotic and crewed space exploration missions to Low Earth Orbit (LEO) and to deep space. Students will study the evolution of the Universe and the origin and evolution of our Solar System as well as the characteristics of exoplanets. Students will also learn about current and future robotic and human exploration missions and challenges for the health of humans living and working in space.

Semester 3

Students complete a compulsory Master's thesis as an independent research project reflecting the topic of their selected track. The content of the Master's thesis is expected to present research findings at a graduate level, while demonstrating originality and creativity.

Track 3

Space Policy and Entrepreneurship

This track provides content in space policy and law, as well as space business and entrepreneurship. Students will learn about the main policy drivers of world space actors, the various dimensions of the space economy, the international space legal frameworks, and management techniques applied to the space sector. Furthermore, students will learn to develop successful business plans and will attend specific workshops and activities in relevant domains to this track.

Deadline for applications: 30 Jun 2023

More information: admissions@isunet.edu or on www.isunet.edu



MSc Space Studies, accredited

Duration: 3 semesters
Dates: 04/09/2023 - 25/01/2025

SEMESTER 1	
Module 1	Fundamentals 8 ECTS
Module 2	Interdisciplinary Space Studies 20 ECTS
SEMESTER 2	
Module 3 24 ECTS	Track 1: Space Engineering and Applications Track 2: Space Science and Exploration Track 3: Space Policy and Entrepreneurship
	Team Project 8 ECTS
SEMESTER 3	
	Master's thesis 30 ECTS

Alternative

Master of Space Studies (MSS)
Duration: 12 months (2 semesters), + optional internship of 3-6 months
Dates: 04/09/2023 - 21/06/2024 or longer

The first two semesters of the MSS and MSc are identical

- MSc Space Studies requires a Master's thesis completed in the third semester
- MSS students can conduct an optional 3–6 months internship



Advantages of living in Strasbourg

Strasbourg is an excellent city to live in, especially for first-time foreigners to France. This beautiful city is an international hub for expats and students, with several European Union institutions – situated right at the heart of Europe. It is also a scientific hub at the heart of the French-German-Swiss BioValley, a European center of excellence in biology, biotechnology, medicine, and material physics. Not to mention the 17 Nobel Prize winners who have studied at the University of Strasbourg!

With 277,000 inhabitants, it has an international airport. In less than two hours you can be in Paris, Frankfurt, or Basel, all of which have

international airports, in addition to many cultural and entertainment options. Outdoor activities like hiking or skiing are also easily accessible – Strasbourg is only 40 minutes away from the mountains.

Low living cost, a minimal language barrier (with many European institutions in Strasbourg), easy visa renewals (Strasbourg has the most consulates in France), cheap public transportation, a green city ranking number one as a cycling-friendly city in France, feeling safe, all make the Eurometropolis of Strasbourg an outstanding place to live and study.

Why choose ISU's new Master's degree program: Space Studies?

1. The new ISU Master's degree program integrates global space economy trends to provide cutting edge knowledge covering all aspects of the space domain
2. Scholarship support on the basis of academic and professional merit
3. ISU is approved for US Federal student loans from the US Department of Education
4. Unique global network of 5400 alumni shaping the international space ecosystem in 110 countries
5. Benefit from the ISU incubator and entrepreneurial spirit that thrives at ISU
6. Vibrant and affordable, Strasbourg is a true student city providing a great learning and living environment

