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Università Iuav
di Venezia

Studying Science and Design for Maritime Spatial Planning

master of science

Science and Design for Maritime Spatial Planning

master of science (2 years, 120 ECTS)

The Science and Design for Maritime Spatial Planning curriculum of the MS in Urban Planning for Transition

The two-year study programme integrates scientific and design-based disciplines in an innovative and multidisciplinary manner, covering oceanography, marine biological sciences, land and environmental planning, coastal planning, and landscape architecture.

This new study programme combines theoretical knowledge with workshops and practice-based learning, providing students with a comprehensive set of skills and techniques for maritime spatial planning.

The course trains professionals with the skills needed to work as consultants for private economic operators engaged in maritime and coastal zone activities as well as for public sector entities.

This includes roles within public administration, particularly for State, territorial bodies, agencies, and port authorities, which require new expertise due to the obligation to create and enforce maritime spatial plans established at the international level by numerous national laws and at the European level by the Directive 89/2014/EU.

This emerging professional profile, which is in high demand internationally, emphasizes innovative and complex system thinking. Graduates will

understand the importance of maritime space as a new frontier for sustainable growth and will appreciate the tangible and intangible values associated with it. Upon completing the two-year programme, graduates in Science and Design for Maritime Spatial Planning will be eligible to take the Italian State exam and join Section A of the Board of Architects, Planners, Landscapers, and Conservators (Spatial Planning section).

Why Venice and why Università Iuav di Venezia

Given its long and unique relationship with water, Venice is the ideal location to address water, coastal, and maritime space management issues.

The MS in Science and Design for Maritime Spatial Planning is the first Master of Science dedicated entirely to these topics, featuring an experimental and integrated approach that combines science and design. This programme builds on the university's decades-long commitment to spatial planning and the emerging field of maritime spatial planning in Europe and worldwide. Teaching activities are developed in collaboration with the National Research Council-Institute of Marine Sciences. Università Iuav di Venezia provides students with a unique educational environment

recognized internationally in partnership with 200 European universities and 70 non-EU institutions and universities. Università Iuav di Venezia addresses contemporary challenges such as sustainability, resilience, and the rational and circular use of resources through innovative methods. Students engage in highly professional training activities that blend traditional and experimental approaches. These activities include international workshops, study exchanges, and opportunities to collaborate with prominent international agencies and the European Commission. For the final module, students can study abroad through the Erasmus+ programme to complete their thesis.

Courses

1st year

An Introduction to Maritime Spatial Planning (6 credits)

Analysing Coastal and Maritime Environments Studio

Governance Analysis (6 credits)

Coastal Resilience (6 credits)

Geomatic Solutions for Coastal Environments (3 credits)

Geology for Natural Hazards

Management (6 credits) or Traffic Engineering and Control (6 credits)

Legal Framework for Maritime Space (6 credits)

Introduction to the Marine Environment - Ocean and Climate (6 credits)

Socio-ecological Nexus Studio

Marine Conservation and Blue Food Production (6 credits)

Digital Tools for Advanced Maritime

Spatial Planning and Area-Based Management (6 credits)

Water Chemistry and Pollution (3 credits)

2nd year

Productive and Cultural Landscape Studio

Design of Coastal Landscape (6 cfu)

Economy for Coastal and Blue Landscape (6 cfu)

Coastal and Underwater Cultural Heritage (3 cfu)

Future Development Studio

Scenario Building and Maritime Planning (6 credits)

In-land Waters (6 credits)

Design with Nature (3 credits)

Maritime Culture and Coastal Communities

Maritime Cultures (6 credits)

Maritime Cities and Built Environment (3 credits)

Scientific English (3 credits)

Optional courses (8 credits)

Internship (8 credits)

Final thesis (8 credits)

Entry Requirements

A bachelor's degree in a related field such as urban planning, architecture, engineering, sociology, social sciences, geography, economics, political science, environmental science, ecology, biology and related disciplines is required.

Applications from other backgrounds will be assessed on a case-by-case basis and are subject to the teaching committee's approval. Additionally, a B1 proficiency level in English (or equivalent) is required.

Fees and Scholarships

annual fees: 2.800,00 euros divided into 3 installments

Fees are determined based on income, merit, and the student's personal situation. Scholarships and other funding opportunities are available annually. High-achieving international candidates can apply for the "Study@luav" program, which offers 10 scholarships and 30 tuition fee waivers. Luav also welcomes students with disabilities and ensures an accessible learning environment for all.

contacts

Università luav di Venezia

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