Introduction to the degree

The aim of this degree is to train responsible professionals in the conservation, restoration, sustainable management and planning of terrestrial and continental aquatic ecosystems, as well as in the industrial use and transformation of resources from such environments with techniques which simulate or guide natural processes and in the socio-economic implications. All of this in a way that is environmentally suitable, economically viable and socially acceptable.

Internships

ETSIAMN has broad experience in this field and has found that internships are fundamental in the first job search. For that reason, the Faculty facilitates internships in companies and institutions, and every year we send around 650 students to 300 firms in different related sectors.

International mobility

ETSIAMN encourages mobility between countries. Around 200 students travel abroad and around 300 come from other countries. The Faculty has agreements in place with highly prestigious, successful European and American universities.

Continuation of studies

With this degree, you will be able to access to:

- MD in Forest Engineering
- MD in Hydraulic Engineering and Environment
- European MD in Plant Health in Sustainable Cropping Systems (Erasmus Mundus)
- MD in Plant Genetics and Breeding
- MD in Health and Vegetable Production
- MD in Agrifood and Environmental Economy

others MD + levelling subjects

Professional opportunities

This degree will qualify you to work in technical forest engineering. You will be able to work for consultancy companies and public companies linked to state or regional environmental authorities, public authorities (local, regional, central and European), or become self-employed in firms in the sector or in the wood industry and bioengineering.

The main types of work available in consultancy companies and public firms are projects and in some cases, works or site management. Public authority work will involve project management and supervision and work in industry will be related to the purchase of timber, chain of custody and certification.

International cooperation has become hugely important in recent years due to the importance of forests in the world’s environmental agenda (climate change, deforestation, sustainable development, etc.).
Bachelor's Degree in Forest and Environmental Engineering

Curriculum

Credits for obtaining the degree

<table>
<thead>
<tr>
<th>Basic courses</th>
<th>Compulsory</th>
<th>Elective</th>
<th>Internship</th>
<th>TFG</th>
<th>Total</th>
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<td>60.00</td>
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<td>72.00</td>
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The subjects that you will be able to take

Basic courses
- Biology
- Business Administration
- Foundations of Mathematics I - II
- Foundations of Physics in Engineering I - II
- General Chemistry
- Geology, Soil Science and Climatology
- Graphic Representation in Engineering
- Forestry Uses
- Fundamentals of Forest Botany and Zoology
- Hydraulics
- Projects
- Silviculture
- Soil Mechanics, Foundations, and Road Mechanics
- Statistic Methods
- Strength of Materials, Structural Design and Construction
- Systematic Botany
- Forest Management Planning
- Gestión de los Proyectos Forestales
- Hunting and Fishery Resource Management
- Landscape and Environmental Restoration
- Landscape Planning and Protected Areas
- Pastoralism
- Pests and Diseases of Urban and Peri-Urban Green Areas
- Prevention and Extinction of Forest Fires
- Reforestation and Forest Nurseries
- Scientific and Technical French - B1
- Technical Valencian C1 - C2

Compulsory courses
- Agroforestry Geomatics
- Dosimetry, Forest Inventory and Assessment
- Ecology and Environmental Impact
- Electrical Technology and Electrification
- Forest and Natural Resources Governance
- Forest Site Science
- Forest-based Industries
- Forestry Machinery and Mecanization
- Deseño de Espacios Verdes
- Academic and Professional German A1 - A2 - B1 - B2
- Diseño de Espacios Verdes
- English B2 for Forestry Engineering
- Forest Health Protection
- Forest Hydrology and Watershed Management

Elective courses

Internationally accredited bachelor’s degree (EUR-ACE)