Bachelor's Degree in Forest and Environmental Engineering

School of Agricultural Engineering and Environment
Building 3P
Campus of Vera (València)

4 courses
240 credits

Spanish and valencian

Credit
20,27 €
(2018/2019)
It will make you eligible for scholarships

75 places

Cut-off marks

etsiamn@upvnet.upv.es
+34 963 877 130

www.upv.es/titulaciones/GIFOMN/

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.

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

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.

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.).

Enjoy our huge campuses with spaces designed for you such as the Student Recreation House.

You can do up to 70 sports in our facilities.

You will find many services at your disposal: language classes, discounts in public transport, counselling, employability support…
Bachelor's Degree in Forest and Environmental Engineering

Credits for obtaining the degree

<table>
<thead>
<tr>
<th>Basic courses</th>
<th>Compulsory</th>
<th>Elective</th>
<th>Internship</th>
<th>T.F.G.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>60.00</td>
<td>96.00</td>
<td>72.00</td>
<td>0.00</td>
<td>12.00</td>
<td>240.00</td>
</tr>
</tbody>
</table>

The subjects that you will be able to take

**Basic courses**
- Biology
- Business Studies
- Foundations of Mathematics I
- Foundations of Mathematics II
- General Chemistry
- Geology, Soil Science and Climatology
- Graphic Representation in Engineering
- Physical Foundations of Engineering I
- Physical Foundations of Engineering II

**Compulsory courses**
- 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**
- 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
- Surveying, Mapping and GIS
- Systematic Botany

**Elective courses**
- Bases and Methods for Agroforestry Health Advisers
- Biofuels
- English B2 for Forestry Engineering
- Forest Health Protection
- Forest Hydrology and Watershed Management
- Forest Management Planning
- Forestry Wood Constructions
- German - A1 - A2 - B1 - B2
- Hunting and Fishery Resource Management
- Landscape and Environmental Restoration
- Landscape Planning and Protected Areas
- Pastoralism
- Prevention and Extinction of Forest Fires
- Reforestation and Forest Nurseries
- Renewable Energies in the Natural Environment
- Scientific and Technical French - B1
- Species, Habitats and Forest Biodiversity Management
- Valencià Tècnic - C1 - C2

Internationally accredited bachelor’s degree (EUR-ACE)