

Catalogue of undergraduate courses delivered in English by areas

Agricultural, Forest & Environmental Technologies

- [Applied remote sensing and GIS](#)
- [Multiple use of natural products](#)
- [Structure and function of woody plants](#)
- [Uses of medicinal and aromatic plants](#)
- [Unit operations in the forest industries](#)
- [Zoology](#)

Industrial Technologies

- [Biodegradable polymers for food packaging](#)
- [Composite materials](#)
- [Drawing and sketching](#)
- [Finite element-based simulation model](#)
- [Intellectual capital and knowledge management](#)
- [Introduction to chaos in science and technology](#)
- [Materials recycling](#)
- [Mechanics of materials III](#)
- [Mechanics of materials IV](#)
- [Nanotechnology](#)
- [Numerical calculations for engineering](#)
- [Numerical simulation](#)
- [Practical Internet of Things with Raspberry Pi](#)
- [Properties of materials II](#)
- [Quality and management](#)
- [Soft matter](#)
- [Surface Engineering](#)
- [Sustainable design](#)

Building Technology & Civil Engineering

- [History of urban law and planning](#)

Management and Spanish Culture

- [Business management basics \(ICT\)](#)
- [Intellectual capital and knowledge management](#)
- [Spanish language](#)
- [Women in science and technology](#)

Information & Communication Technologies

- [Analog electronics](#)
- [An introduction to electronics](#)
- [Basic circuit analysis](#)
- [Biomedical digital signal processing](#)
- [Calculus](#)
- [Communications electronics](#)
- [Digital electronics](#)
- [Digital signal processing](#)
- [Digital systems](#)
- [Dynamical systems](#)
- [Electromagnetics](#)
- [Embedded system design with Raspberry Pi](#)
- [Human-computer interaction](#)
- [Image understanding](#)
- [Information coding](#)
- [Introduction to bioinformatics and biocomputing](#)
- [Introduction to machine learning](#)
- [Linux system administration](#)
- [Logic](#)
- [Multimedia](#)
- [Optical communications](#)
- [Physics I](#)
- [Physics II](#)
- [Physical and technological foundations of computer science](#)
- [Programming I](#)
- [Programming for mobile devices](#)
- [Programming scalable systems](#)
- [Radiation and wave propagation](#)
- [Random signals](#)
- [Semantic web, linked data and knowledge graphs](#)
- [Signals and systems](#)
- [Software quality](#)
- [Software Architecture and Design](#)
- [Spatial data infrastructure](#)
- [The art of programming](#)
- [Vector analysis](#)
- [Wireless communications](#)

Catalogue of undergraduate courses delivered in English by Schools

UPM Campuses: Locations



Moncloa Campus



SCHOOL OF BUILDING TECHNOLOGY (ETS DE EDIFICACIÓN)
[Av. Juan de Herrera, 6, 28040 Madrid, Spain](#)

Catalogue of courses delivered in English

- [History of urban law and planning](#)



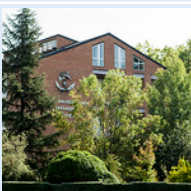
SCHOOL OF CIVIL ENGINEERING – MONCLOA CAMPUS (ETS DE INGENIEROS DE CAMINOS, CANALES Y PUERTOS)
[C/ Prof. Aranguren, 5/n, 28040 Madrid – Spain](#)

Catalogue of courses delivered in English

Fall/Autumn Semester

Spring Semester

- | | |
|--|---|
| <ul style="list-style-type: none"> • Mechanics of materials III • Numerical simulation • Properties of materials II • Soft matter • Composite materials | <ul style="list-style-type: none"> • Materials recycling • Mechanics of materials IV • Quality and management • Surface engineering • Nanotechnology |
|--|---|



SCHOOL OF FORESTRY ENGINEERING AND NATURAL RESOURCES (ETS DE INGENIERÍA DE MONTES, FORESTAL Y DEL MEDIO NATURAL)
[C/ Antonio Novais, 10, 28040 Madrid – Spain](#)

Catalogue of courses delivered in English

Fall/Autumn Semester

Spring Semester

- | | |
|---|---|
| <ul style="list-style-type: none"> • Applied remote sensing and GIS • Multiple use of natural products • Structure and function of woody plants • Uses of medicinal and aromatic plants • Unit operations in the forest industries | <ul style="list-style-type: none"> • Zoology |
|---|---|



SCHOOL OF TELECOMMUNICATIONS ENGINEERING (ETSI TELECOMUNICACIÓN)
[Avda. Complutense, 30, 28040 Madrid – Spain](#)

Catalogue of courses delivered in English

Fall/Autumn Semester

Spring Semester

- | | |
|--|--|
| <ul style="list-style-type: none"> • Basic circuit analysis • Calculus • Digital electronics • Digital signal processing • Electromagnetics • Physics I • Radiation and wave propagation • Random signals • Signals and systems | <ul style="list-style-type: none"> • Analog electronics • An introduction to electronics • Business management basics • Communications electronics • Optical communications • Physics II • Spatial data infrastructure • Vector analysis |
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Undergraduate academic offering in English by Schools

City Centre Campus



SCHOOL OF INDUSTRIAL ENGINEERING AND DESIGN (ETS DE INGENIERÍA Y DISEÑO INDUSTRIAL)
 C/ Ronda de Valencia, 3, 28012 Madrid, Spain

Catalogue of courses delivered in English

Fall/Autumn Semester

- [Intellectual capital and knowledge management](#)
- [Practical Internet of Things with Raspberry Pi](#)
- [Spanish language](#)

Spring Semester

- [Biodegradable polymers for food packaging](#)
- [Drawing and sketching](#)
- [Finite element-based simulation model](#)
- [Introduction to chaos in science Numerical calculations for engineering](#)
- [Sustainable design and technology](#)

South Campus

Montegancedo Campus



SCHOOL OF COMPUTER SYSTEMS ENGINEERING (ETS DE INGENIERÍA DE SISTEMAS INFORMÁTICOS)
 C/ Alan Turing s/n
 28031 Madrid, Spain

Catalogue of courses delivered in English

Fall/Autumn Semester

- [Information coding](#)
- [System administration](#)
- [Software quality](#)

Spring Semester

- [Software Architecture and Design](#)



SCHOOL OF TELECOMMUNICATIONS AND SYSTEMS ENGINEERING (ETS DE INGENIERIA Y SISTEMAS DE TELECOMUNICACIÓN)
 C/ Nikola Tesla s/n
 28031 Madrid, Spain

Catalogue of courses delivered in English

Fall/Autumn Semester

- [Introduction to machine learning](#)
- [Wireless communications](#)

Spring Semester

- [Biomedical digital signal processing](#)
- [Dynamical systems](#)
- [Embedded system design with Raspberry Pi](#)
- [Women in science and technology](#)



SCHOOL OF COMPUTER ENGINEERING (ETS DE INGENIEROS INFORMÁTICOS)
 Campus de Montegancedo s/n
 28660 Boadilla del Monte, Madrid, Spain

Catalogue of courses delivered in English

Fall/Autumn Semester

- [Introduction to bioinformatics and biocomputing](#)
- [Logic](#)
- [Physical and technological foundations of computer science](#)
- [Programming I](#)
- [Semantic web, linked data and knowledge graphs](#)
- [The art of programming](#)

Spring Semester

- [Digital systems](#)
- [Human-computer interaction](#)
- [Image understanding](#)
- [Multimedia](#)
- [Programming for mobile devices](#)
- [Programming scalable systems](#)