Agricultural, Forest & Environmental Technologies
- Biomics
- Bioreactors
- Immunology
- Multiple use of natural products
- Plant molecular biology
- Structure and function of woody plants
- Uses of medicinal and aromatic plants
- Virology
- Zoology

Industrial Technologies
- Composite materials
- Drawing and sketching
- Finite element-based simulation model
- 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

Building Technology & Civil Engineering
- History of urban law and planning

Information & Communication Technologies
- Analog electronics
- An introduction to electronics
- Bioinspired algorithms for optimization
- Calculus
- Concurrent and Advanced Programming
- Discrete Mathematics I
- Digital electronics
- Digital signal processing (Telecommunications Engineering)
- Digital signal processing (Computer Systems Engineering)
- Distributed systems
- Dynamical systems
- Electromagnetics
- Embedded system design with Raspberry Pi
- Embedded systems modelling
- Human-computer interaction
- Information coding
- Information security
- Introduction to biocomputing
- Introduction to artificial intelligence in the cloud
- Introduction to machine learning
- Linear algebra
- Logic
- Mobile app development
- Mobile communications
- Multimedia
- Probabilities and statistics I
- Programming I
- Programming II
- Programming language translator
- Programming project
- Programming scalable systems
- Quantum information
- Random signals
- Semantic web, linked data and knowledge graphs
- Signals and systems
- Software architecture and design
- Spatial data infrastructure
- System administration
- Video game development and artificial intelligence
- Web development

Management and Spanish Culture
- Intellectual capital and knowledge management
- Spanish language
- Women in science and technology
## UPM Campuses: Locations

### Moncloa Campus

#### School of Agricultural, Food and Biosystems Engineering (ETS de Ingenieros Agrónomos, Alimentación y Biosistemas)
Av. Puerta de Hierro, 2 – 4, 28040 Madrid

**Catalogue of courses delivered in English**

**Fall/Autumn Semester**
- Bioreactors
- Immunology

**Spring Semester**
- Biomics
- Plant molecular biology
- Virology

#### 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, s/n, 28040 Madrid – Spain

**Catalogue of courses delivered in English**

**Fall/Autumn Semester**
- Composite materials
- Mechanics of materials III
- Numerical Simulation
- Properties of materials II
- Soft matter

**Spring Semester**
- Materials recycling
- Mechanics of materials IV
- Nanotechnology
- Quality and management
- Surface engineering

#### School of Forest 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**
- Multiple use of natural products
- Structure and function of woody plants
- Uses of medicinal and aromatic plants

**Spring Semester**
- Zoology

#### School of Telecommunications Engineering (ETSI Telecomunicación)
Avda. Complutense, 30, 28040 Madrid – Spain

**Catalogue of courses delivered in English**

**Fall/Autumn Semester**
- Digital electronics
- Digital signal processing
- Electromagnetics
- Random signals
- Signals and systems

**Spring Semester**
- Analog electronics
- An introduction to electronics
- Spatial data infrastructure
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
- Drawing and sketching
- Finite element-based simulation model
- Introduction to chaos in science and technology
- Numerical calculations for engineering

South 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
- Distributed systems
- Information Coding
- Quantum information
- System administration
- Video game development and artificial intelligence
- Web development

Spring Semester
- Concurrent and advanced programming
- Biologically inspired algorithms for optimization
- Digital signal processing
- Embedded systems modelling
- Information security
- Mobile app development
- Programming language translator
- Software architecture and design

Montegancedo Campus

SCHOOL OF TELECOMMUNICATIONS AND SYSTEMS ENGINEERING (ETS DE INGENIERÍA Y SISTEMAS DE TELECOMUNICACIÓN)
C/ Nikola Tesla s/n, 28031 Madrid, Spain
Catalogue of courses delivered in English

Fall/Autumn Semester
- Dynamical systems
- Embedded system design with Raspberry Pi
- Introduction to artificial intelligence in the cloud

Spring Semester
- Calculus
- Human-computer interaction
- Multimedia
- Probabilities and statistics
- Programming II
- Programming project
- Programming scalable systems