



**UPM**  
INTERNATIONAL  
**SUMMER  
SCHOOL**

[blogs.upm.es/summerschool/en](https://blogs.upm.es/summerschool/en)  
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June, 6<sup>th</sup>, to July, 29<sup>th</sup>, 2022

# UPM SUMMER SCHOOL

The UPM International Summer School is an eight-week multilingual study abroad program. It addresses some of the hottest tech trends, combined with a taste of Spanish language and culture in one of Europe's most cosmopolitan cities.



UNIVERSIDAD  
POLITÉCNICA  
DE MADRID



## CONTACT

Vicerrectorado de  
Internacionalización  
Rectorado B  
Paseo Juan XXIII, 11  
28040 Madrid



## VENUE

Universidad Politécnica de Madrid Schools and Research Institutes, Madrid, Spain.

The Spanish capital combines the modern infrastructures with its status of economic, financial, administrative and service center. Madrid offers a perfect blend of culture, business, food, leisure and entertainment.

Madrid is ideally located in the center of the country. Its outstanding transportation network means that it is easy to get to and from by road, airplane, train or metro.





## ANGLOTECH

### Online

- How to set up a citizen laboratory (CL)?\*
- Service-Learning (ApS) as a tool to achieve the Sustainable Development Goals (SDGs)\*

### Oncampus

- Voids and Condensers
- Patchwork City
- Geothermal Energy
- Clean Energy
- Cybersecurity
- Data Science
- Artificial Intelligence
- Artificial Intelligence, Ethics and Human Rights\*
- Biomedical Technology
- Cooperative, Connected and Autonomous Driving

### Oncampus + live streaming

- Healthy Active Breaks in the University Community
- Optimization Techniques in Microsoft Excel
- The role of engineering in the new European innovation framework\*
- Smarter Health Caring for Smarter Cities (SC2)

Courses are suitable for bachelor's and master's students looking for specialized knowledge.

## HISPANOTECH

### Online

- Transformación digital: desafíos para la gestión empresarial
- Desarrollo de Videojuegos e Inteligencia Artificial en Unity

### Oncampus

- Comercio electrónico omnicanal
- Emprendimiento sostenible de base tecnológica\*
- Visión estratégica del ecosistema digital
- Geotermia
- Análisis biomolecular de la biodiversidad vegetal\*
- De LiDAR a IBER
- Big data para la gestión de carteras de acciones
- Aprendiendo dirección de proyectos con LEGO
- Nuevos procesos para una industria química más sostenible
- Arquitectura medioambiental: técnica, tipología, historia
- Programación con Python para Internet de las Cosas (IoT)
- Los desafíos para la conservación del patrimonio arquitectónico del siglo XX en la ciudad de Madrid

### Oncampus + live streaming

- Pausas activas saludables en el entorno universitario
- El reto energético en la transición energética
- El color en la arquitectura
- Simulación dinámica y optimización en Ingeniería Química con Python

Courses are suitable for bachelor's and master's students looking for specialized knowledge.



\* courses sponsored by EELISA  
(European Engineering Learning Innovation and Science Alliance)

## PROFESSIONAL WORKSHOP

### Oncampus

- Quality assurance and professional accreditation of engineering educational programmes.

Course suitable for academic staff or business stakeholders involved in engineer training processes and accreditation agency representatives or staff.



Sponsored by ENAE  
(European Network for Accreditation of European Education)

## KEY FEATURES

- Get acquainted with the latest technological trends, visit laboratories and benefit from the insight of industry experts.
- Gain access to advanced knowledge on architecture and engineering, and visit museums, notable buildings and sites.
- Experience learning in a multicultural classroom with peers from different parts of the world.
- Get an appreciation of Spanish culture and enjoy the Spanish way of life.

## APPLY

- Students can choose any combination of courses with compatible dates.
- Course tuition fees are: €150 per 10 class hours for oncampus courses, €120 per 10 class hours for online courses, and €650 for the professional workshop.
- Cultural activities include a day trip and guided walk around Madrid (check the website for prices).
- Deadline for applications is April 19<sup>th</sup>, 2022.
- A range of accommodation options are available at student dorms.
- Participants are expected to organize their own travel and health insurance.

## CULTURAL ACTIVITIES

Weekend activities have been organized for course participants, including day trips to top attractions like Toledo and Segovia, and guided walks around Madrid and visits to the Prado and Reina Sofia Museums.

