



120 anys

Terrassa Cor polític



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Superior d'Enginyeries Industrial,  
Aeroespacial i Audiovisual de Terrassa

# School of Industrial, Aerospace and Audiovisual Engineering in Terrassa **ESEIAAT-UPC**



# UPC Location



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Superior d'Enginyeries Industrial,  
Aeroespacial i Audiovisual de Terrassa



# UPC Figures



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Superior d'Enginyeries Industrial,  
Aeroespacial i Audiovisual de Terrassa

The UPC today

[More figures](#)

31,327

bachelor's and  
master's degree  
students

3,677

teaching and  
research staff

2,143

administrative  
and service  
staff

67

bachelor's  
degrees

96

master's  
degrees

46

doctoral  
programmes

18

schools

141

lifelong learning  
programmes

10

patents last  
year

410

million euros  
2025 budget

121,6

million euros  
R&D income

91,278

alumni

The UPC in the rankings

[More rankings](#)

## PRODUCTIVE

The UPC, **amongst the leading universities in Spain** with its **Research and Innovation performance**, according to the U-Ranking 2024



<https://www.upc.edu/en>

# UPC in Rankings

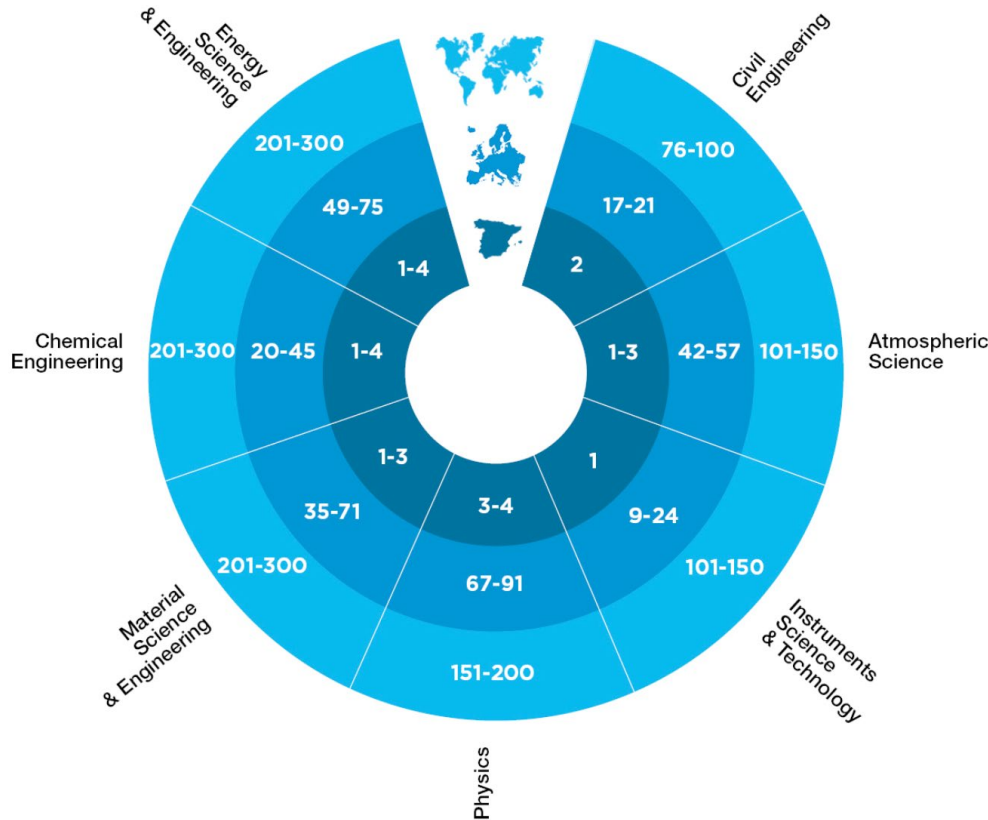


UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

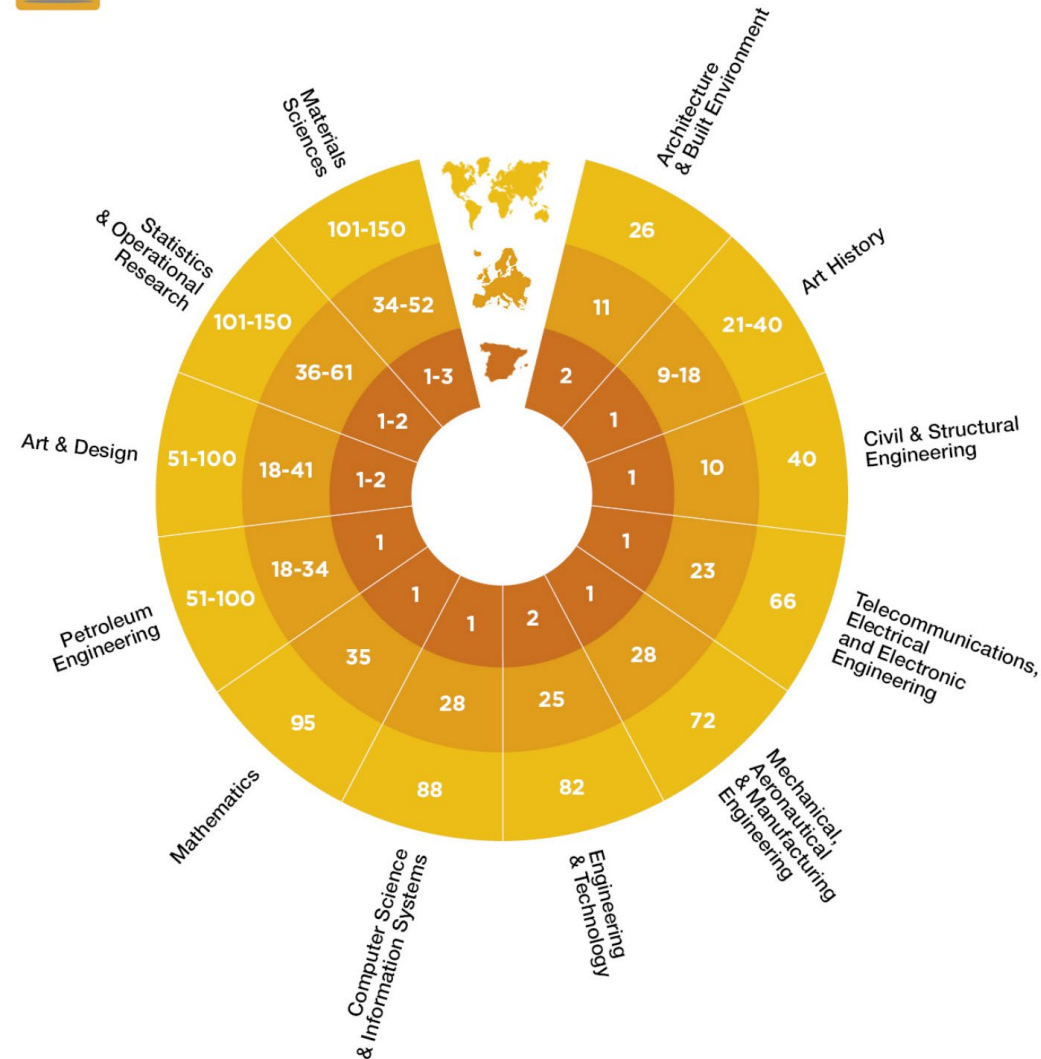
Escola Superior d'Enginyeries Industrial,  
Aeroespacial i Audiovisual de Terrassa



Shanghai Global Ranking  
of Academic Subjects, 2024



QS World University Rankings  
by Subject, 2024



<https://www.upc.edu/ranquings/en>





120 anys

Terrassa Cor polítècnic



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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Escola Superior d'Enginyeries Industrial,  
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One of the largest  
Engineering  
Schools in Spain  
with more than  
**120 years**  
experience

10 Bachelor programs  
10 Master programs  
PhD programs

4200 students  
1000 graduates/year  
500 lecturers

International  
Agreements **> 300**  
**12 DD** programs

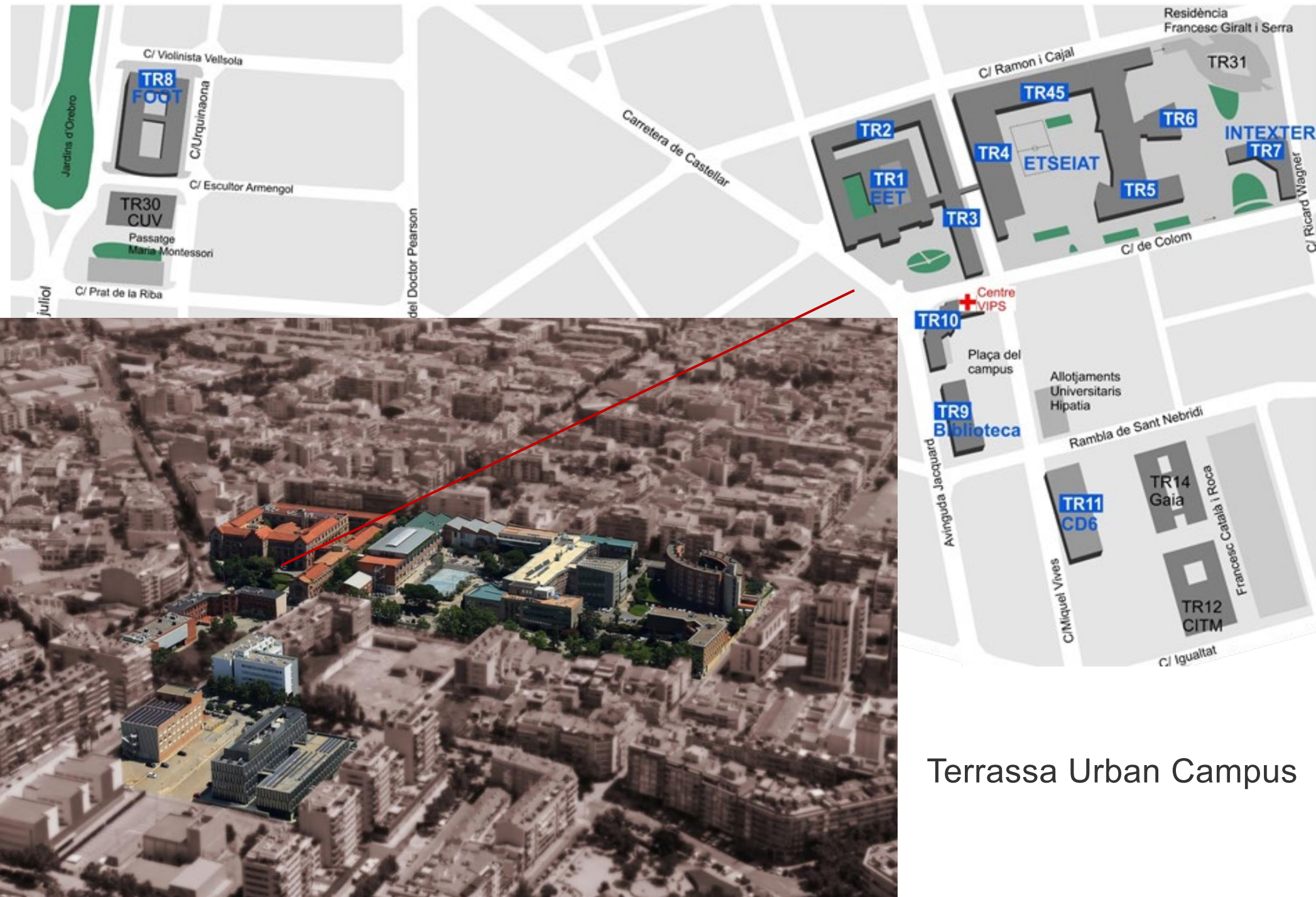


# ESEIAAT Campus Map



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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Escola Superior d'Enginyeries Industrial,  
Aeroespacial i Audiovisual de Terrassa



Terrassa Urban Campus



## Aerospace Engineering



**Bachelor's degree in Aerospace Technology Engineering**

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**Bachelor's degree in Aerospace Vehicle Engineering**

**Master's degree in Aerospace Engineering**

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**Master's degree in Space and Aeronautical Engineering**

**English**

## Industrial Engineering



**Bachelor's degree in Industrial Design and Product Development**

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**Bachelor's degree in Industrial Technology Engineering**

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**Bachelor's degree in Electrical Engineering \***

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**Bachelor's degree in Industrial Electronics and Automatic Control Engineering \***

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**Bachelor's degree in Mechanical Engineering \***

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**Bachelor's degree in Chemical Engineering \***

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**Bachelor's degree in Textile Technology and Design\***





## Industrial Engineering



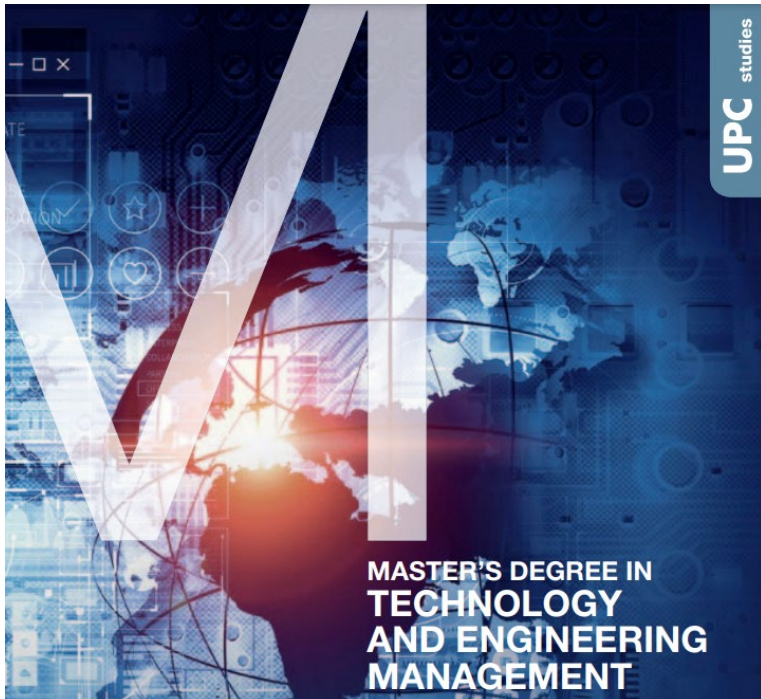
Master's degree in Industrial Engineering

Master's degree in Textile Design and Technology

English

Master's degree in Paper and Graphics Technology

Master's degree in Automatic Systems and Industrial  
Electronics Engineering



Master's degree in Management Engineering

Master's degree in Technology and Engineering Management

English

Master's degree in Research in Mechanical Engineering

English

Master's degree in Advanced Studies in Design-Barcelona  
(MBDesign)

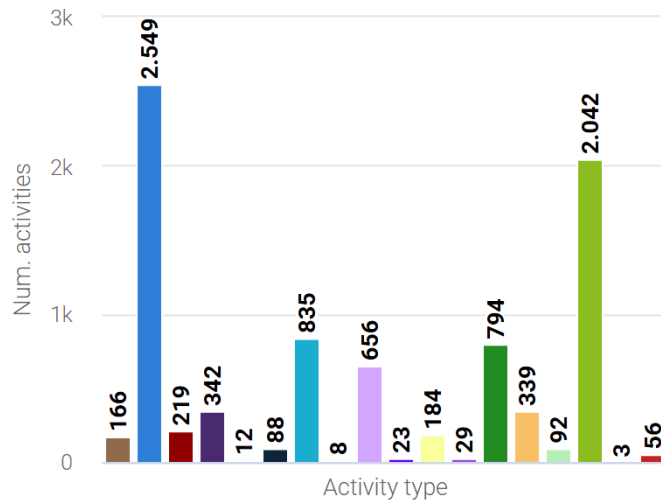
## Telecommunications Engineering



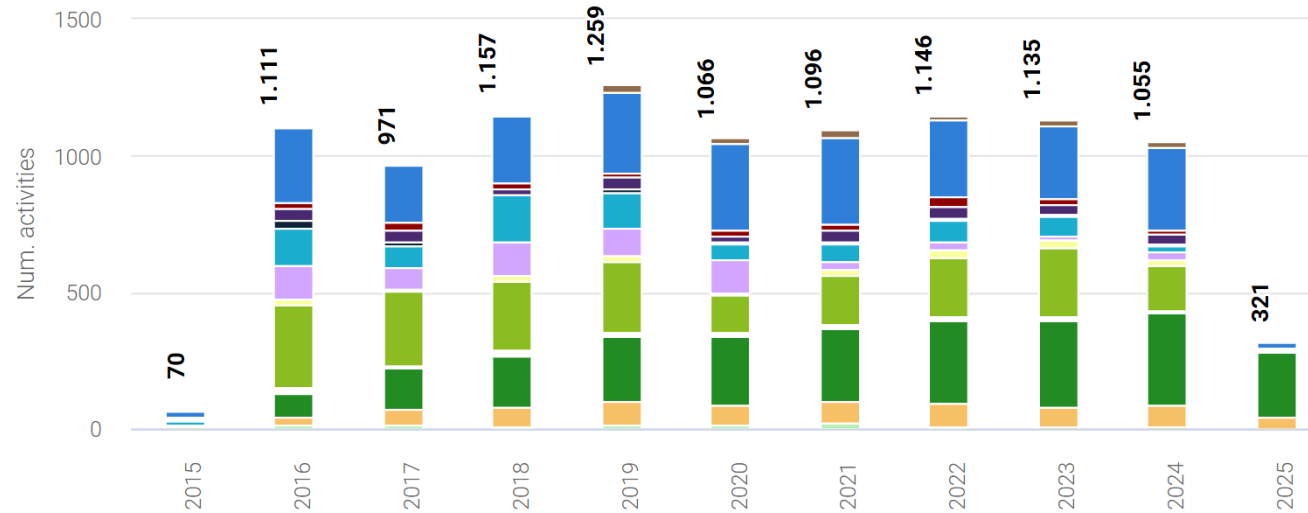
**Bachelor's degree in Audiovisual Systems**



Production by type



Production by date



- Article in non-indexed journal
- Article in indexed journal
- Book chapter
- Theses
- Dataset
- Book
- Report
- Collaboration in exhibitions
- Collaboration in journals
- Conference minutes book
- Award
- Teaching innovation project
- Competitive project
- Noncompetitive project
- Membership in the scientific committee of a congress
- Presentation of work at congresses
- Others' publications about work
- Industrial property

- Article in non-indexed journal
- Article in indexed journal
- Book chapter
- Theses
- Book
- Report
- Collaboration in journals
- Award or recognition
- Presentation of work at congresses
- Industrial property
- Conference minutes book
- Teaching innovation project
- Competitive project
- Noncompetitive project
- Membership in the scientific committee of a congress
- Others' publications about work
- Collaboration in exhibitions
- Dataset

## High Voltage Test & Research Center. AMBER





## Digital Lab



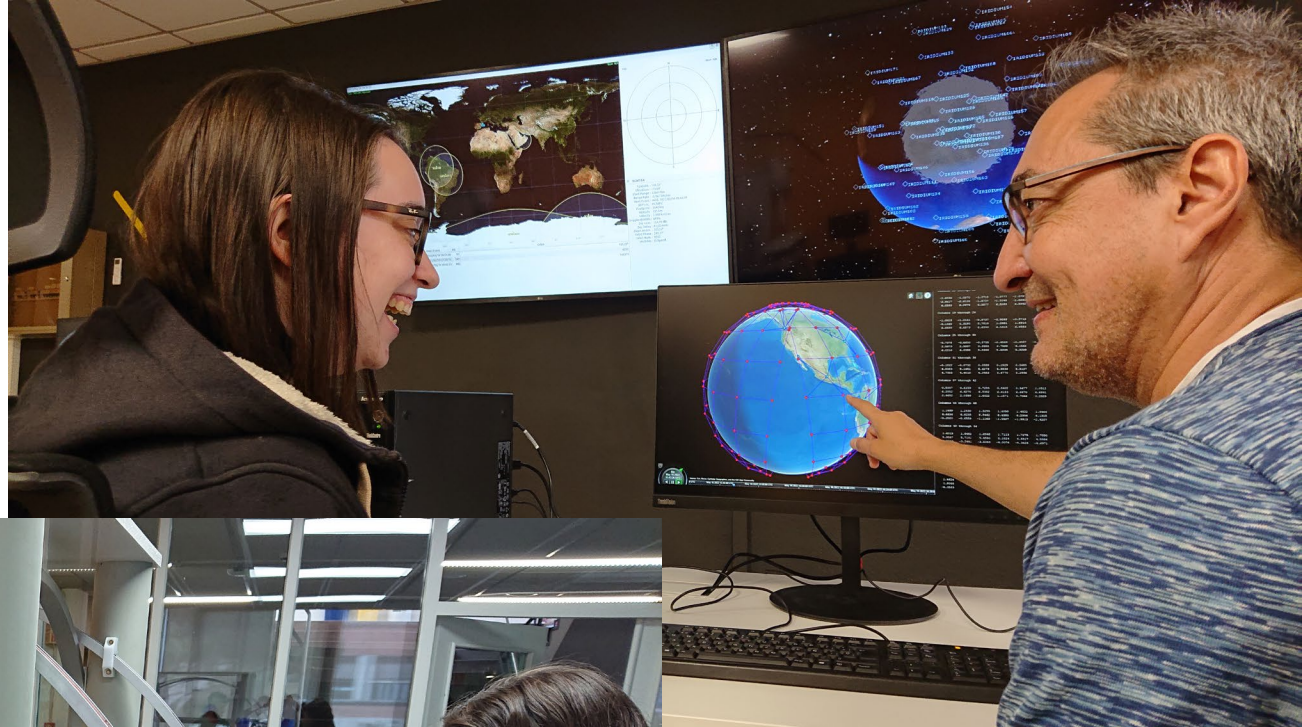


## Factory Lab





## Space Lab

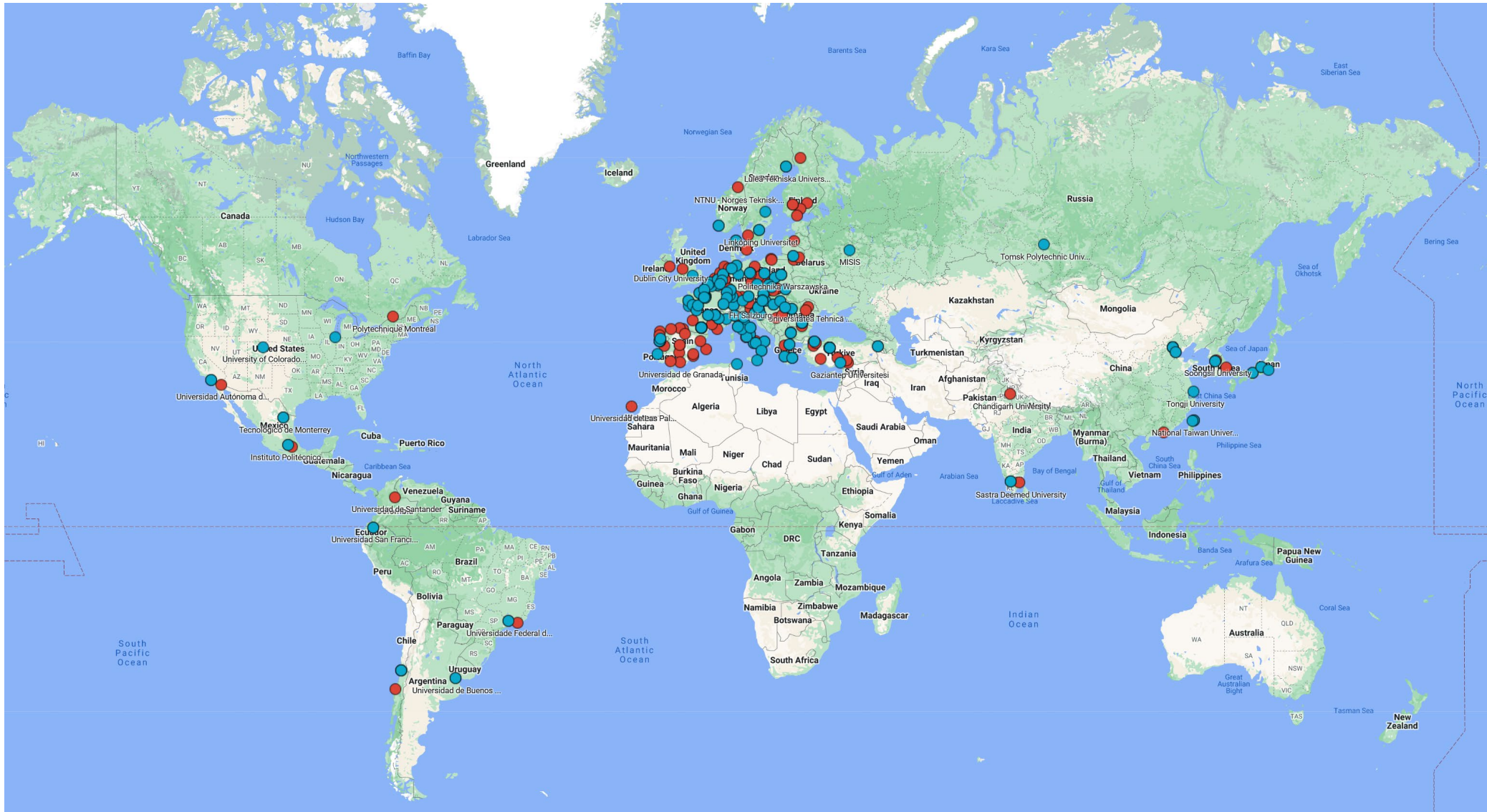




## Creative Lab







Mobility and exchange  
programmes worldwide  
especially in Europe, Latin  
America, USA and Asia.

>300 agreements  
12 DD Programs



University Network for Innovation,  
Technology and Engineering

Aalto University, Espoo/Helsinki  
KTH Royal Institute of Technology, Stockholm

Wrocław Tech  
Technical University of Darmstadt  
Graz University of Technology  
Grenoble INP-UGA  
Politecnico di Torino  
Universitat Politècnica de Catalunya · BarcelonaTech  
Universidade de Lisboa

Bridging the gaps  
between engineering,  
science, technology  
and the grand  
challenges of society



A''

Aalto University





- Bachelor/Master **arrangement** for the academic year:

Theory: **On-site** courses (classrooms)

Labs: **On-site** face to face (lab rooms)

Assessment: **On-site** face to face exams (exam room)

- Timetable/exams information

<https://intranet.eseiaat.upc.edu/ca/horaris>

- Virtual Campus: **ATENEA**

<https://atenea.upc.edu>



- **Recommendation:** Contact with lecturers for further details

# ESEIAAT Student Projects



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Superior d'Enginyeries Industrial,  
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UPC-EcoRacing

MotoSpirit





# ESEIAAT Student Projects



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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**Cosmic Research**





**Trencalos**





# ESEIAAT Student Projects



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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Space Program







Solar Campus



90% of students find  
employment within 3  
months after the degree

1000+ students  
doing internships

- ✓ On Campus company forums and networking
- ✓ Company visits
- ✓ Careers services
- ✓ Company awards to academic excellence



# ESEIAAT UPC Company Forum



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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Escola Superior d'Enginyeries Industrial,  
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## XVIII FÒRUM D'EMPRESSES ESEIAAT

15 de maig  
2024



#Forumeseiaat



# ESEIAAT UPC Experience



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# ESEIAAT UPC Experience



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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## Reading Group



## Chorale UPC Terrassa



## Theater UPC Terrassa







**Colla Casteller "Bergants"**

# ESEIAAT UPC Campus



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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## All the services you need

Sports activities, inside and  
outside campus

2 students rooms

Campus Library

Team working rooms

Restaurants, student's canteine





What can you do in your free  
time?

# ESEIAAT UPC Public Transport Network



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<https://rodalies.gencat.cat/en/inici/index.html>



<https://www.fgc.cat/en/>





# ESEIAAT UPC Public Transport Network



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Aeroespacial i Audiovisual de Terrassa



## Llistat de municipis inclosos en la tarifa metropolitana

Badalona	1	El Prat de Llobregat	1	Badia del Vallès	2C	La Palma de Cervelló	2B
Barcelona	1	Sant Adrià de Besòs	1	Barberà del Vallès	2C	El Papiol	2B
Castelldefels	1	Sant Boi de Llobregat	1	Begues	2A	Ripollet	2C
Cornellà de Llobregat	1	Sant Feliu de Llobregat	1	Castellbisbal	2B	Sant Andreu de la Barca	2B
Esplugues de Llobregat	1	Sant Joan Despí	1	Cerdanyola del Vallès	2C	Sant Climent de Llobregat	2B
Gavà	1	Sant Just Desvern	1	Cervelló	2B	Sant Cugat del Vallès	2C
L'Hospitalet de Llobregat	1	Santa Coloma de Gramenet	1	Corbera de Llobregat	2B	Sant Vicenç dels Horts	2B
Montcada i Reixac	1	Tiana	1	Molins de Rei	2B	Santa Coloma de Cervelló	2B
Montgat	1	Viladecans	1	Pallejà	2B	Torrelles de Llobregat	2B

## Single and integrated tickets



### T-usual card

A holder-specific travel card allowing unlimited journeys to be made for one month on all operators in the Integrated Fare System. **Only T-mobilitat.**



### T-casual card

Individual travel card allowing 10 journeys to be made on all operators in the Integrated Fare System. **Only T-mobilitat.**

<https://www.tmb.cat/en/barcelona-fares-metro-bus>







# Architecture



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# Terrassa



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# Terrassa Historical Heritage



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**mNACTEC**

**Address:** Rambla d'Ègara, 270

**Telephone:** +34 93 736 89 66

**Website:** <http://www.mnactec.cat/>

M / / /  
/ N A /  
C / / /  
/ T E C

Museu Nacional  
de la Ciència i la Tècnica  
de Catalunya



# Industrial Historical Heritage



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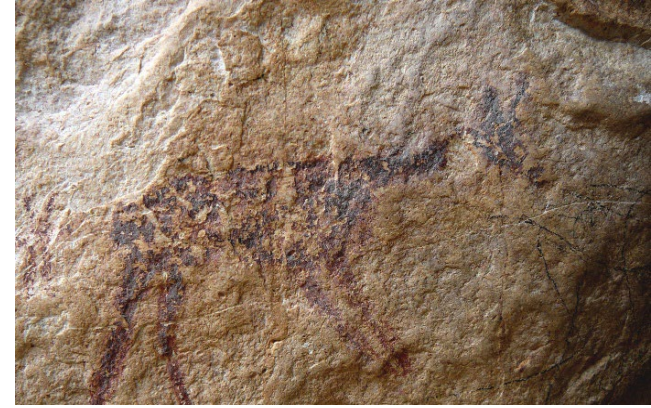
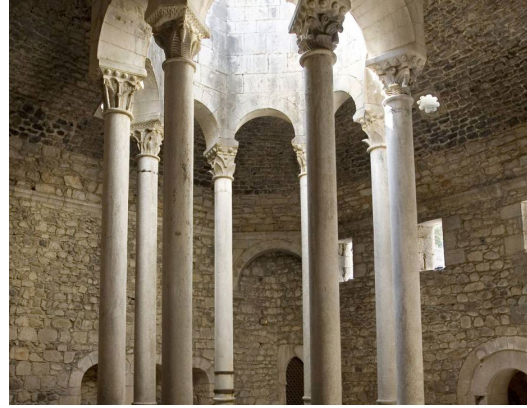


# Historical Heritage



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Different climates in Catalonia...

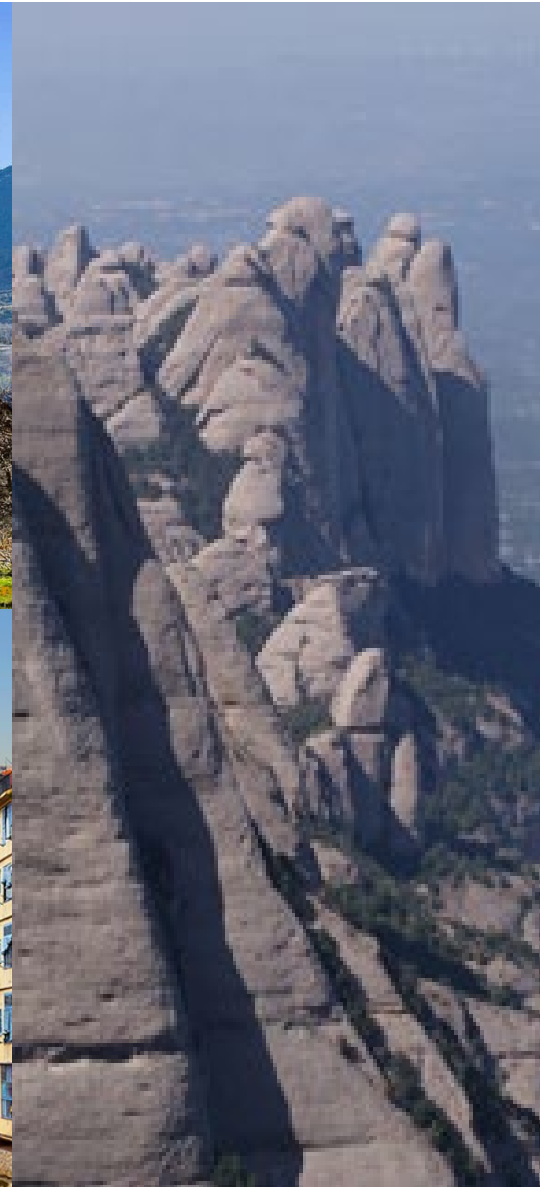


# Locations



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Sitges, Taüll, Camprodon, Girona, Montserrat...



# Culture and Tradition



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# Gastronomy



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Thank you!

Contact:

[incoming.eseiaat@upc.edu](mailto:incoming.eseiaat@upc.edu)