WELCOME TO TELECOM BARCELONA

February, 9, 2020
North Campus
### The School

#### 2018-2019

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of students</td>
<td>1,647</td>
</tr>
<tr>
<td>New students</td>
<td>503</td>
</tr>
<tr>
<td>Graduate students</td>
<td>302</td>
</tr>
<tr>
<td>Outgoing exchange students</td>
<td>111</td>
</tr>
<tr>
<td>Incoming exchange students</td>
<td>95 enrolled + 4 in traineeship</td>
</tr>
<tr>
<td>Professors</td>
<td>302</td>
</tr>
<tr>
<td>Academic laboratories</td>
<td>111</td>
</tr>
</tbody>
</table>
The CDIO INITIATIVE is an innovative educational framework for producing the next generation of engineers.

The framework provides students with an education stressing engineering fundamentals set in the context of:

Conceiving — Designing — Implementing — Operating

real-world systems and products. Throughout the world, CDIO Initiative collaborators have adopted CDIO as the framework of their curricular planning and outcome-based assessment.
ETSETB was accepted for the CDIO Council in 2009.

The ETSETB study plans follow the CDIO syllabus with the specified competences, the general competences, and the competences related in engineering, associated to the design and the project accomplishment.
Research lines

Antennas and Radio Systems Group
Array & Multichannel Processing
Control, Monitoring and Communications Group
Optical Communications Group
Image and Video Processing Group
Mobile Communications Research Group
Management, Pricing & Services in Next Generations Networks
Radio Frequency and Microwaves
Systems, Devices & Materials Group
Remote Sensing Research Group
Signal Processing and Communications Group
Speech Processing Group
WiCom Tec
Audio Visual Technologies Group
UAS and CoRa Radio Communications Group
Electromagnetic and Photonics Engineering Group
Electronic Engineering Department

Research lines

Instrumentation and Bioengineering Division
• Biomedical Instrumentation
• Sensors and Interfaces
• Electrical Impedance tomography and spectroscopy
• Electromagnetic compatibility
• Sensor Systems

Semiconductor Devices
• Amorphous alloys for high performance devices
• Electronic materials technology
• Microsystems
• Photovoltaic solar energy
• Simulation and modelling of semiconductor devices

Design and verification of electronic circuits and systems
• Advanced hardware architectures and neural networks
• Design of custom integrated circuits and systems
• Low power design and current test of CMOS circuits
• Reliability and fault-tolerance in electronic systems
• VLSI design of high performance circuits

Power electronics
• Nonlinear electronic circuits for signal and power processing
Networks Engineering Department

Research lines

- Wireless Networks Group
- Design and Evaluation of Broadband Networks and Services
- Telematic Services research group
- MAPS
- Research Group on Cellular Networks and Location
General information of the Bachelor's Degree

These are the majors (specialities) of the:

Bachelor's degree in **Telecommunications Technologies and Services Engineering**:

- Audiovisual Systems
- Telecommunication Systems
- Telematics Systems
- Electronic Systems

Bachelor's Degree in Electronic Engineering

Bachelor's degree in Engineering Physics

Bachelor’s Degree in Data Science Engineering
## Our masters

<table>
<thead>
<tr>
<th>Master's degree in Telecommunications Engineering</th>
<th>Master in Advanced Telecommunication Technologies</th>
<th>Master's degree in Electronic Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video presentation MET(ES, ENG)</td>
<td>Video presentation MATT (ES)</td>
<td>Video presentation MEE (ES, ENG)</td>
</tr>
<tr>
<td>120 ECTS</td>
<td>60 ECTS</td>
<td>120 ECTS</td>
</tr>
</tbody>
</table>

| Master's degree in Cybersecurity                  | Master's degree in Engineering Physics          | Master's degree in Photonics           |
| Video presentation Cybersecurity(ENG)             | Video presentation Physics (ENG)                | Video presentation Photonics (ENG)      |
| 60 ECTS                                           | 60 ECTS                                          | 60 ECTS                                 |

## Master's degrees that we participate in

| Master's degree in Computer Vision                | Erasmus Mundus Master's degree in Photonics Engineering, Nanophotonics and Biophotonics |
| Video presentation Computer Vision (ES, ENG)      |                                                                                         |
New username and password and ICT services

You should have received an e-mail with a NEW username and password to enter the student’s platforms. If you don’t find the e-mail, learn them at https://identitatdigital.upc.edu/gcredencials/recupera-contrasenya

This username and password gives you access to:

1. The electronic secretary (e-secretaria).
2. The Virtual Campus Atenea. (24 hours after the enrolment)
3. The ICT services of ETSETB (Intranet, webmail, etc).
1. Complete and save the RGPD Authorisations.

(After that, more items will appear at the left)
2. Fill in the two addresses.
If you don’t have an address during the academic year yet, click on “copy details”
3. Check your enrolment (after February, 8, 2021)
E-secretaria. Certificate of enrolment

You can have your certificate of enrolment digitally signed in seconds:
Atenea Digital Campus

https://atenea.upc.edu/login/index.php
Updated 24-48 hours after enrolment or enrolment changes
UPC card

How to request for it
Send portrait picture to students.mobility@etsetb.upc.edu a portrait picture in this format:
• JPG format file
• White background
• Dimensions: 181 pixel width x 220 pixel height / minimum resolution 100 dpi.

How and when to collect it
If you sent us the photograph before January, 31, we will receive the UPC card by February, provided you have made step two above (fill in the two addresses at e-secretaria). We will let you know by email when we receive it, so that you can come and collect it.

If you haven’t got your UPC card yet
While your UPC card is being made, if you need it for some services, such as the library, you will have access by showing your enrolment from your mobile.
Check classes timetables

Timetable Planner for courses of Master MET, Master MEE, Bachelor in Telecommunication and Master in Physics:

http://infoteleco.upc.edu/documents/gdqpgt75.html

You can either use this pop up

Or close the pop up and write the courses here
**Timetable of Photonics courses:** (with codes 2305..). These courses last less months than the previous ones and are disposed in two blocks:


**Timetable of courses of 2 or 2,5 ECTS:** (with codes 2303..)

If you have chosen one of these intensive courses, please be aware that they are taught at the end of normal courses (end June and beginning of July). You will find them here:

- Master intensive courses: [https://telecos.upc.edu/ca/shared/curs-actual/seminaris/seminaris-masters-tardor](https://telecos.upc.edu/ca/shared/curs-actual/seminaris/seminaris-masters-tardor)
- Bachelor intensive courses: [https://telecos.upc.edu/ca/shared/curs-actual/seminaris/seminaris-graus-tardor](https://telecos.upc.edu/ca/shared/curs-actual/seminaris/seminaris-graus-tardor)
Check final exams calendar

Examination period except for Photonics courses

[Link to exams calendar for Telecos](https://telecos.upc.edu/ca/estudis/curs-actual/horaris-aules-i-calendaris/calendari-dexamens)

Scroll down to “Exàmens de primavera” and click on the “Grau” or “Master” plan of the course to see the examination dates.

Examination for Photonics courses

If you have chosen some course of the master in Photonics, you will find the exams calendar here:

[Link to Photonics exams calendar](https://photonics.masters.upc.edu/en/shared/contents/academic_year_2020-21/timetable_2020-21.pdf)
You will need the following insurance (**BOTH OF THEM**) for all your stay in Barcelona:

- The European Health Insurance Card (EHIC).
- **Also** a private insurance that covers you for **accidents** (compensation for permanent disability and death compensation), **civil liability** and **repatriation**. We will need the documents of this insurance.

In case you do not have the private insurance on your arrival, the UPC has an agreement with OnCampus and offers a very complete insurance for the entire stay. You can check the price and hire it at: [https://oncampus.es/en/seguros/oncampus-estudia/](https://oncampus.es/en/seguros/oncampus-estudia/)
Where and prior appointment:

- Building B3 (2 floors above Plaza Telecos): Here you have a map of the campus: [Map](#). Please request for a PRIOR APPOINTMENT at least one week in advance.

Documents

- Health Insurance card (original and copy).
- On-campus insurance or other private insurance that covers you of accidents (compensation for permanent disability and death compensation), civil liability and repatriation. We will need the documents of this insurance.
- Insurance statement, filled in and signed by you (original signature; not printed or scanned).
- Updated transcripts of records (in case the ones you uploaded at the application do not have the sum of credits completed that you introduced at the tool of selection of courses).
- Certificate confirming your level of English (in case you didn’t upload it at the application tool).
- Identification card
- Certificate as you are enrolled or are a student at your home institution.
- Erasmus Credential or certificate of your Erasmus acceptation.

After you have submitted these documents, we will sign your certificate of arrival.
Certificate of arrival and attendance are to be collected face-to-face at the academic office in building B3, on arrival and on departure.

- Building B3 (2 floors above Plaza Telecos): Here you have a map of the campus: Map. Please request for a PRIOR APPOINTMENT at least one week in advance
20-21 Academic year

Beginning of classes:

- February, 15, 2021
Currently, due to the outbreak of COVID-19 virus, theoretical classes are generally planned to be taught online and practical and laboratory classes, face-to-face. Exams are expected to be made face-to-face.

Since laboratory classes are face-to-face, you should be in Barcelona on February, 15. Unless practices start later. You can contact the professor for any doubt.
Final thesis
(master’s thesis or bachelor’s thesis)

If you are accepted to do a final thesis at ETSETB:

• Defence in front of an ETSETB evaluation board is mandatory, regardless if you defend in your host institution or not

• You will have to request for an ETSETB evaluation board by mid June.

• By the end of your stay, at least one week before your defence, you will have to upload your final report at the ETSETB Intranet and do the steps previous to the defence (related to the date and time of the defence)

Summarized information at the section “projects” > “Final thesis. Bachelor (18 ECTS) or Master (30 ECTS)” of the mobility procedure (https://telecos.upc.edu/ca/international/foreign-students/application-and-procedure). The details and calendar are at the procedure for regular students: https://telecos.upc.edu/ca/els-serveis/secretaria-oberta/treballs/tfm-treball-de-fi-de-master-masters-tic (steps 1 and 2 excluded)
Other Project courses

If you have been accepted to do other project courses different from final thesis:

• No defence will be required. Your supervisor will assess you at the end. Please make sure that you are not enrolled in the final thesis (master’s thesis or bachelor’s thesis), where defence at ETSTB is required.

The information is at: https://telecos.upc.edu/ca/international/foreign-students/application-and-procedure:

- Research assignment (12 ECTS). For bachelor students
- Introduction to research (5 to 15 ECTS). For master students
Orientation Week for UPC "International students". Do not miss it!

The OMI Office will send you the links to access the online sessions.

UPC Orientation Week for international exchange and master's degree students: January-February 2021

Important note: Due to the global COVID-19 health alert, the OW activities will take place online.

Introduction
The Universitat Politècnica de Catalunya - BarcelonaTech (UPC) organises different online sessions as a kind of "Orientation Week" (OW). The OW is basically addressed to international students who have to start their studies at the UPC in the 2020-2021 spring semester.

The OW includes an institutional welcome, information on compulsory legal procedures, and information about the main UPC services that can be of interest of the students during their stay, and an introductory workshop on Catalan language and culture.

Orientation Week dates
The Orientation Week activities will take place PROGRESSIVELY, during the months of January and February.

Cost
All these activities offered by the University are FREE.
International Students Office

https://www.upc.edu/sri/en/bureau/where-we-are

c. Jordi Girona, 1-3 Edifici C-3, Telecos Square
CAMPUS NORD
Tel: +34 93 401 69 37
Fax: +34 93 401 74 02

E-mail: oficina.mobilitat.internacional@upc.edu

Office hours

IMPORTANT: At present, and due to the safety measures for the COVID-19, public attention of OMI office is performed from Tuesdays to Fridays from 10h to 14h. On Mondays you can contact by e-mail or telephone.
Take a look at these websites to get an idea of how to prepare your UPC stay:

Face-to-face attention (documents):

**PRIOR APPOINTMENT**

Contact us:
students.mobility@etsetb.upc.edu
93 401 1978

Building B3 - Ricardo Valle
Campus Nord Jordi Girona, 1-3, 08034
Barcelona