WELCOME TO TELECOM BARCELONA

September, 10, 2020
North Campus
The School

2018-2019

Total number of students: 1,647
New students: 503
Graduate students: 302
Outgoing exchange students: 111
Incoming exchange students: 95 enrolled + 4 in traineeship
Professors: 302
Academic laboratories: 111
ETSETB – School of Excellence

- **ETSETB means:**
  - Telecommunication Systems
  - Computer and Mobile Networks
  - Automation, Control, Artificial Intelligence
  - Electronic Engineering
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- Electronic Engineering
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.
Signal Theory and Communications Department

• 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

- Instrumentation and Bioengineering Division
  - Biomedical Instrumentation
  - Sensors and Interfaces
  - Electrical Impedance tomography and spectroscopy
  - Electromagnetic compatibility
  - Sensor Systems
- Semiconductor Devices
  - Amorphus 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

• Wireless Networks Group

• Design and Evaluation of Broadband Networks and Services

• Telematic Services research group

• MAPS

• Research Group on Cellular Networks and Location
The Bachelors

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
- Telecommunications Systems
- Telematics Systems
- Electronic Systems

Bachelor's degree in Electronic Engineering
Bachelor's degree in Engineering Physics
Bachelor's Degree in Data Science Engineering
The Masters

Our masters

1. Master’s degree in Telecommunications Engineering
   Video presentation MET (ES, ENG)
   120 ECTS

2. Master in Advanced Telecommunication Technologies
   Video presentation MATT (ES)
   60 ECTS

3. Master’s degree in Electronic Engineering
   Video presentation MEE (ES, ENG)
   120 ECTS

4. Master’s degree in Cybersecurity
   Video presentation Cybersecurity (ENG)
   60 ECTS

5. Master’s degree in Engineering Physics
   Video presentation Physics (ENG)
   60 ECTS

6. Master’s degree in Photonics
   Video presentation Photonics (ENG)
   60 ECTS

Master’s degrees that we participate in

1. Master’s degree in Computer Vision
   Video presentation Computer Vision (ES, ENG)

2. Erasmus Mundus Master’s degree in Photonics Engineering, Nanophotonics and Biophotonics
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. Check your enrolment

![Current enrolment](image)

<table>
<thead>
<tr>
<th>Academic year</th>
<th>Name</th>
<th>UPC code</th>
<th>Acronym</th>
<th>Group</th>
<th>Call</th>
<th>Course guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-1</td>
<td>MASTER’S THESIS</td>
<td>230683</td>
<td>TFM MET</td>
<td>10</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

E-secretaria. Check your enrolment
3. Upload your photograph in the format required. (The UPC CARD will be automatically requested)
Check classes timetables

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

(schedules assistance)

Planificador d’horaris

You can write the courses here

And close this pop-up
**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 January and beginning of February). 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)
Examination period except for Photonics courses

https://telecos.upc.edu/ca/estudis/curs-actual/horaris-aules-i-calendaris/calendari-dexamens

Once on the webpage shown on the picture, click where you see your master to see the examination period pdf for the fall semester

Examination for Photonics courses

If you have chosen some course of the master in Photonics, you will find the exams calendar here: https://photonics.masters.upc.edu/en/shared/contents/academic_year_2020-21/timetable_2020-21.pdf
PRIVATE INSURANCE REQUIRED

The European health card is **NOT ENOUGH** for your stay in Barcelona. You need 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 an 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/)
DOCUMENTS ON YOUR ARRIVAL

• **Insurance documents**. Remember you need a private insurance that covers you of the items of the previous slide, as well as the EHC.

• 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.

After you have submitted these documents, we will sign your certificate of arrival
20-21 Academic year

Beginning of classes:
- September 14
- except for courses of the Master in Physics Engineering that will start on September 21
The teaching methodology is based on face-to-face mode for 1st to 3rd year courses, so we expect you to be here on September 14.

For those students who may have problems being in Barcelona at the start of the course due to the COVID-19, we will do our best to provide online teaching (Please, send email to Profs.)

In case the situation worsens at any time due to COVID-19 and it is not possible to continue the course in person, we will be forced to switch to online mode.
Due to the Covid-19 restrictions incoming ETSETB students will not be allowed to do courses in other schools different from ETSETB.
COVID Protocols

Specific measures ordered to minimise the risk of transmission:

- Mandatory use of face mask
- Access to the buildings/rooms in an orderly manner
- Safe distance from others
- Use Hand hygiene with Hydroalcoholic gel

Cleaning and disinfection
Procedure to follow when cases are detected and contacts are identified

More information:
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 January.

• 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 an e-mail to inform you how to register to the Orientation Week.
OMI - 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

Mornings: From Monday to Friday, from 10 a.m. to 2 p.m.
Afternoons: Tuesday afternoon, from 4 p.m. to 6 p.m.

Map
Take a look at these websites to get an idea of how to prepare your UPC stay:

First steps when you arrive at the UPC

3.1. Student welcome office

When you arrive, go to the student welcome office. This OMI office gives useful information and practical orientation to international students.

Services we offer

The Student Mobility Unit is part of the International Relations Bureau. Through the welcome office (OMI in Barcelona), the International Relations Bureau promotes student mobility, gives welcome information to incoming students and facilitates their integration at the UPC. We also provide information and advice on the compulsory legal procedures that you will have to carry out to make your stay in Spain legal.

During the first days after your arrival at UPC, you should go to the OMI (Students welcome office). We will be happy to help you.

At OMI we will assess you about the procedure's that your relatives and you could have to do at your arrival and also during your whole stay. During the rest of your stay, we can mainly assess you about the procedure of TIE renewal for you and your relatives.

Compulsory legal procedures for international students

On arrival / During your stay

At the International Students Office (OMI) in Barcelona, we can inform you in detail about the compulsory legal procedures you must carry out depending on your nationality and situation.

• On arrival
  Registration as a resident of a town or city, registration as a citizen of the European Union, applications for the Foreigner Identification Card (Tarjeta de identidad de extranjero, TIE) and Foreigner Identification Number (Número de identificación de extranjero, NIE) or equivalent certificate.

• During your stay
  Renewal of the TIE for students from outside the European Union and application for a re-entry permit if you are planning to travel abroad.

The OMI can help and assess students who are NOT nationals of European Union countries (non-EU students) to renew their TIE, which they will have to do every year during their stay in Spain.

For further information, consult Section 6.2. of this guide and the website www.upc.edu/en, write to oficina.mobilitat.internacional@upc.edu or ask at the OMI (on the telephone or in person).