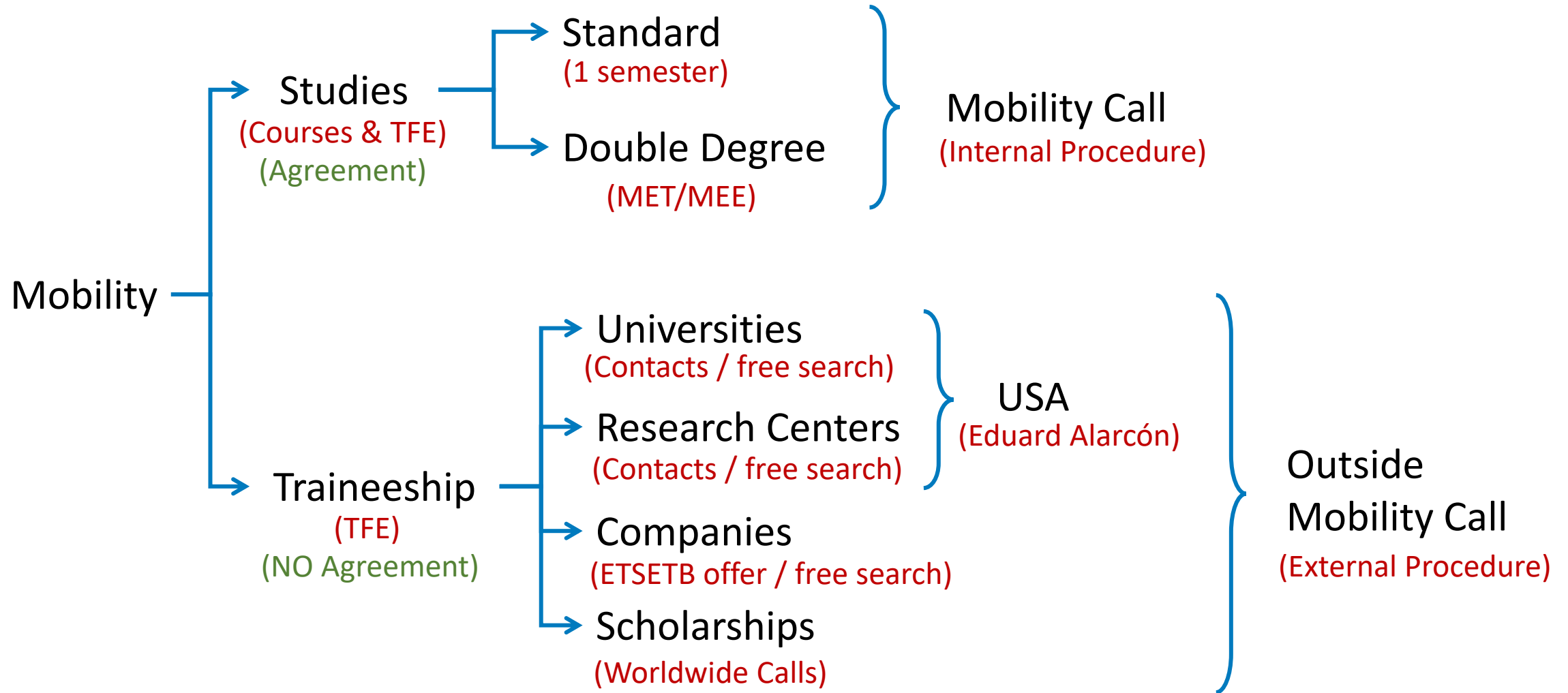# Information meeting
December 3rd 2025

- ❑ **Mobility Options**
- ❑ **Mobility Call**
  - ❑ **Requirements**
  - ❑ **Application**
  - ❑ **Double Degrees**
- ❑ **Traineeship**
  - ❑ **Competitive Scholarships**
  - ❑ **Company / Research Center**
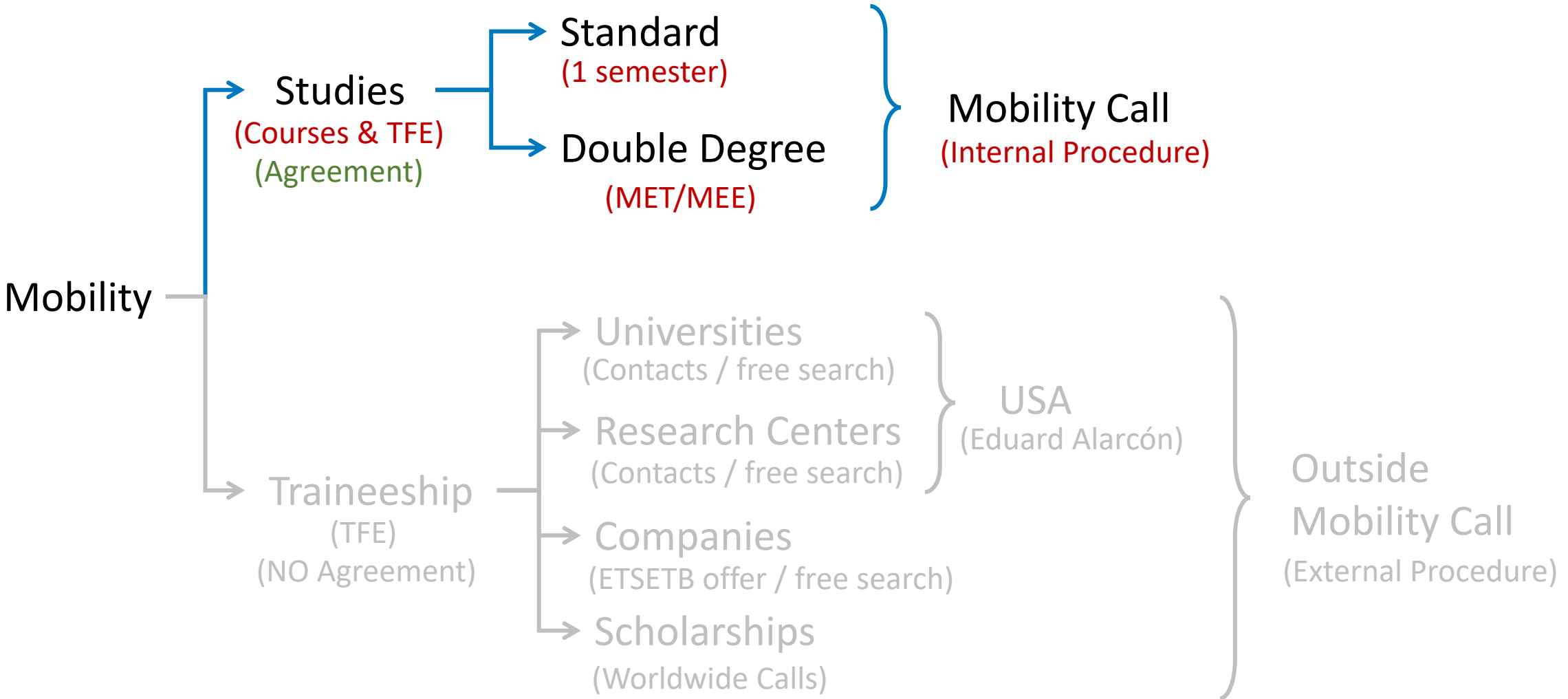 - ❑ **USA**
- ❑ **Funding**

Mobility Options

Mobility Options

Mobility

- Studies
  (Courses & TFE)
  (Agreement)
  - Standard
    (1 semester)
  - Double Degree
    (MET/MEE)

  } Mobility Call
  (Internal Procedure)

- Traineeship
  (TFE)
  (NO Agreement)
  - Universities
    (Contacts / free search)
  - Research Centers
    (Contacts / free search)

  } USA
  (Eduard Alarcón)

  - Companies
    (ETSETB offer / free search)
  - Scholarships
    (Worldwide Calls)

  } Outside
  Mobility Call
  (External Procedure)

Mobility Call

Mobility Call

Mobility

Studies
(Courses & TFE)
(Agreement)

Standard
(1 semester)

Double Degree
(MET/MEE)

Mobility Call
(Internal Procedure)

Traineeship
(TFE)
(NO Agreement)

Universities
(Contacts / free search)

Research Centers
(Contacts / free search)

USA
(Eduard Alarcón)

Companies
(ETSETB offer / free search)

Scholarships
(Worldwide Calls)

Outside
Mobility Call
(External Procedure)

Requirements

Bachelor
GRETST / GRELEC

Telecommunications Technologies and Services Engineering (**GRETST**) and Electronic Engineering (**GRELEC**)

- Studies: TFG (18 ECTS) + up to 2 elective courses (12 ECTS)
- Traineeship: TFG (18 ECTS) + curricular internship (12 ECTS)
  (if not "used" before)
- Requirements:
  - Have passed all the subjects of the first two years
  - 1st call (January):
    - Mobility in the fall semester: have passed **180 ECTS** (less one subject)
    - Mobility in the spring semester: have passed **150 ECTS** (less 2 subjects)
      (conditional assignment) →180 ECTS in July
  - 2nd call (July):
    - Mobility in the spring semester: have passed **180 ECTS** (less one subject)

Bachelor
GEF / GCED

Bachelor's Degree in Engineering Physics (**GEF**)

- Studies or Traineeship: TFG (30 ECTS)

Bachelor's Degree in Data Science and Engineering (**GCED**)

- <u>Mobility in 4B</u>

    - Studies: TFG (18 ECTS) + elective courses (12 ECTS)

    - Traineeship: TFG (18 ECTS) + curricular internship (12 ECTS)

      (if not "used" before)

- <u>Mobility in 4A</u>

    - Courses (30 ECTS) (discuss with Head of Studies)

Master
MET / MEE

Master's degree in Telecommunications Engineering **(MET)**

Master's degree in Electronic Engineering **(MEE)**

- Studies: Electives (30 ECTS) or TFM (30 ECTS)
- Traineeship: TFM (30 ECTS) or noncurricular traineeship
  - TFM 1 year (e.g. USA or international company)
  - Consequence → <u>Master lasts 2,5 years</u>
  - 1st semester: Enroll noncurricular traineeship (only paying enrollment fees)
  - 2nd semester: Enroll TFM

Master
MATT / MPho / MEF

Master in Advanced Telecommunication Technologies (MATT)

- TFM 12 ECTS at UPC, but normally 30 ECTS at host university

Master in Photonics (MPho)

- TFM 16 ECTS at UPC, but normally 30 ECTS at host university
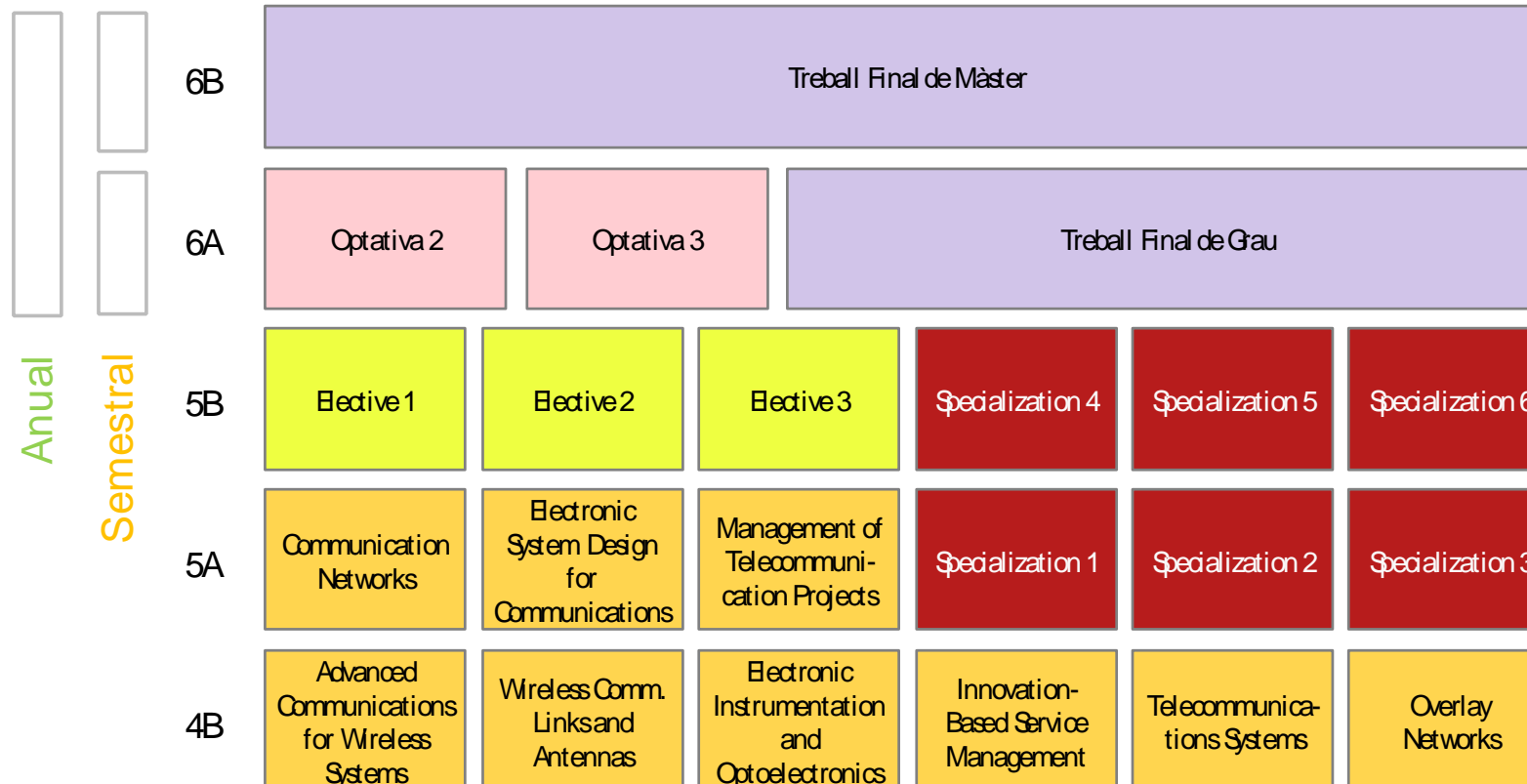
Master in Engineering Physics (MEF)

- TFM 17 ECTS at UPC, but normally 30 ECTS at host university

PARS

Mobilitat PARS-1: Màster amb especialització

- No admet doble titulació
- Mobilitat diferent (semestral a 6A i/o 6B)
- Orientat a estudiants que busquen combinar especialització i mobilitat
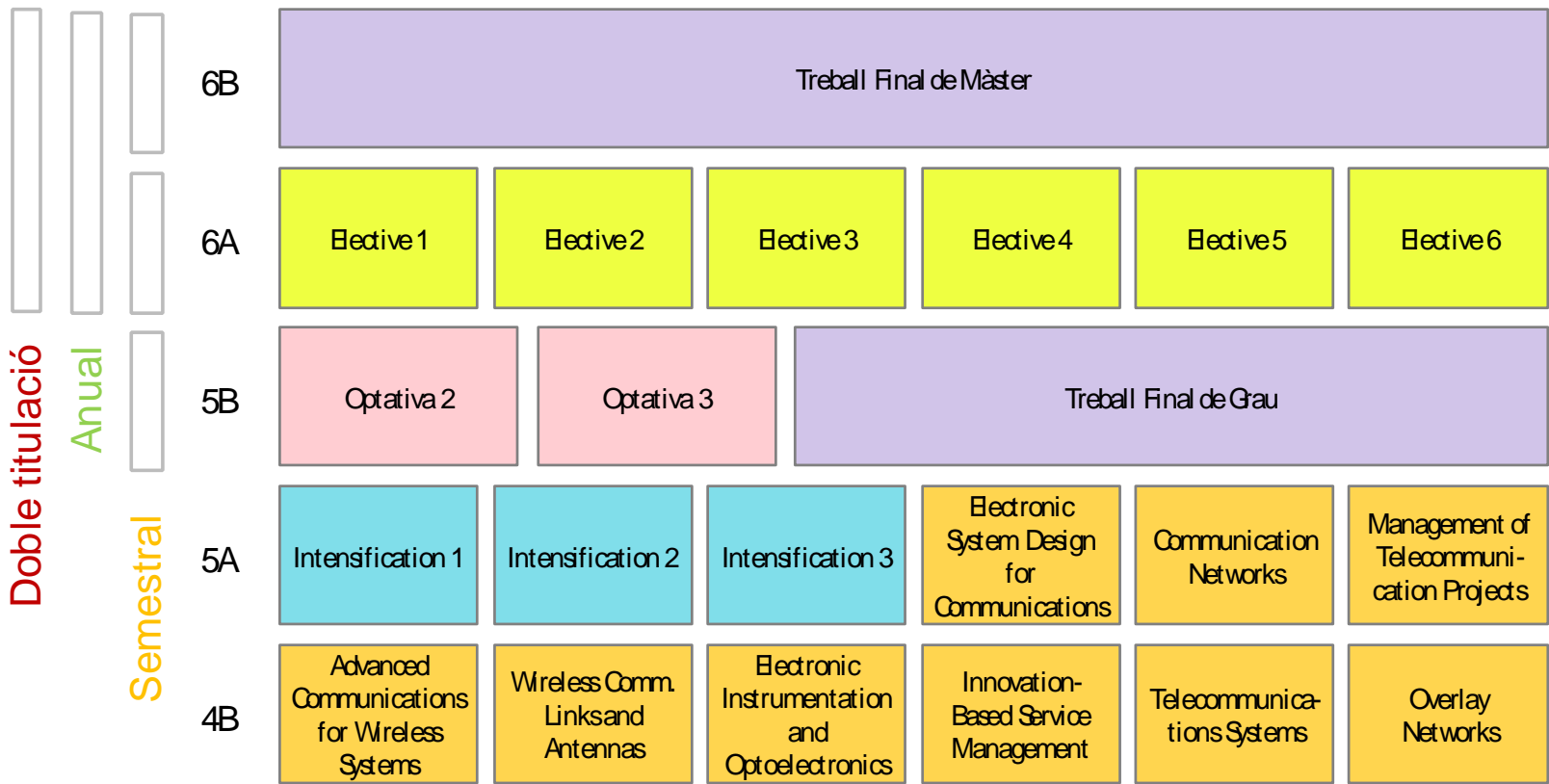
Mobilitat

Anual / **Semestral**

6B	Treball Final de Màster					
6A	Optativa 2	Optativa 3	Treball Final de Grau			
5B	Elective 1	Elective 2	Elective 3	Specialization 4	Specialization 5	Specialization 6
5A	Communication Networks	Electronic System Design for Communications	Management of Telecommuni-cation Projects	Specialization 1	Specialization 2	Specialization 3
4B	Advanced Communications for Wireless Systems	Wireless Comm. Links and Antennas	Electronic Instrumentation and Optoelectronics	Innovation-Based Service Management	Telecommunica-tions Systems	Overlay Networks

PARS

Mobilitat PARS-2: Màster sense especialització

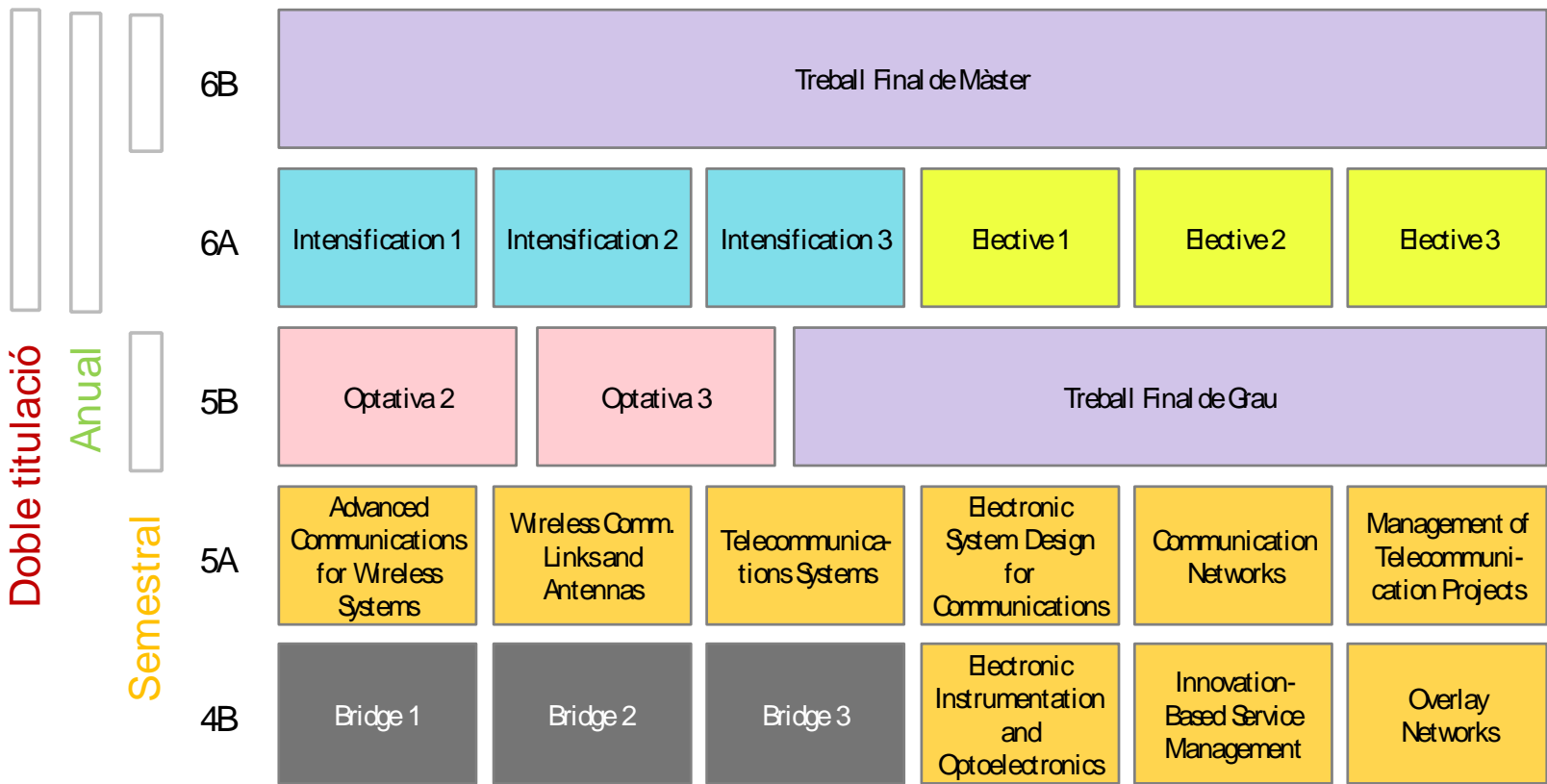- Estudiants provinents de menció SisTel
- Màxima flexibilitat

PARS

Mobilitat PARS-3: Màster amb «bridge»

- Estudiants provinents de mencions audiovisuals i telemàtica
- Itinerari generalista amb intensificació, però sense especialització
- Les assignatures d'intensificació en mobilitat han de ser equivalents i només en doble titulació o programes anuals específics (ex. Unitech)
- En el cas de voler fer la doble titulació amb l'HEC París, cal permutar les intensificacions 2 i 3 per les assignatures «core» IBSM i MTP

Mobilitat

Doble titulació **Anual** **Semestral**

6B	Treball Final de Màster					
6A	Intensification 1	Intensification 2	Intensification 3	Elective 1	Elective 2	Elective 3
5B	Optativa 2	Optativa 3	Treball Final de Grau			
5A	Advanced Communications for Wireless Systems	Wireless Comm. Links and Antennas	Telecommunications Systems	Electronic System Design for Communications	Communication Networks	Management of Telecommunication Projects
4B	Bridge 1	Bridge 2	Bridge 3	Electronic Instrumentation and Optoelectronics	Innovation-Based Service Management	Overlay Networks

Application

Find a destination

1 Go to the international section of the ETSETB's website https://telecos.upc.edu/ca/mobilitat

Studying abroad
Estades a l'extranger per l'alumnat de l'ETSETB

Look for the option studying abroad

2 Press the mobility destinations option

Destins de Mobilitat
Oferta de destins de mobilitat internacional de l'ETSETB

Modalitats de mobilitat
TFG i TFM a empreses o a universitats estrangeres

Beques i Ajuts
Programa Erasmus+, Beques Santander, Programa Faro, Mobit AGAUR, Obra Social "La Caixa"

Idiomes
Certifica el teu nivell d'idiomes o accedeix a cursos i exàmens

Select a Country

Select a University

Check Details

KUNGLIGA TEKNISKA HÖGSKOLAN (S STOCKHO04)   Suècia

*approximate location based on destination name

KUNGLIGA TEKNISKA HÖGSKOLAN

📍 KTH - International Office, Drottning Kristinas väg 6 SE-100 44 Stockholm Suècia.

🏛 STOCKHOLM, Suècia

🌐 https://www.kth.se/en/studies/exchange

ꜱ AGREEMENT   🎓 FINAL THESIS

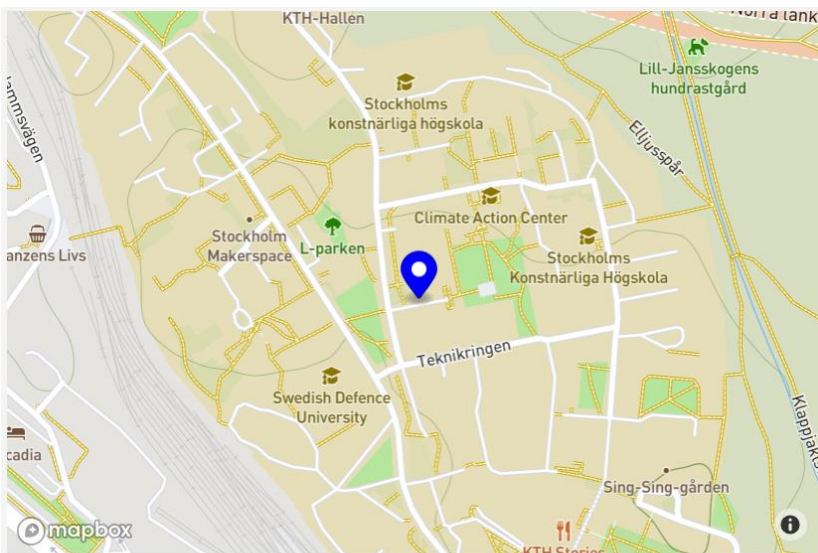|	
Higher Education Institutes code:	S STOCKHO04
Faculty:	KTH - School of Electrical Engineering and Computer Science, EECS
Agreement until:	2028
Deadline Application:	15 octubre (spring) / 15 abril (autumn)
Minimum grade to go to the destination:	7.00
Double Degree:	NO
Final Degree Project:	YES
Master's Thesis:	YES
Final Thesis observations:	Each student must: - clearly indicate in the written work what are their specific tasks at work. - an individual public exhibition where he has to to be clearly reflected what their contribution has been
Programs in the ICT/TIC area:	✔ Degree ✔ Master ✘ PhD
Programs in the Physics/Photonic area:	✘ Degree ✘ Master ✘ PhD
Files:	📄 KTH Fact Sheet 2021.2022 .pdf(Practical information (Fact Sheet))
Links of interest:	Exchange studies at KTH https://www.kth.se/en/studies/exchange

LANGUAGES

Language of instruction 1	Language of instruction 2
🌐 Swedish	🌐 English
🗣 Level: B2	🗣 Level: B2
🎓 --	🎓 --

Language skills

English is a must: usually B2 or TOEFL/IELTS

Sometimes the local language is required

Erasmus+

Apply for a position

Student

ETSETB

Student

ETSETB

Apply for a position
19/12/2025 – 31/01/2026

Resolution
13/02/2026

Accept or Reject

Nomination

- Look for mobility section in *e-secretaria*
- Request up to **8 destinations** (dream, but also be realistic)
- Specific actions are required before applying to USA destinations

- Sort student applications according to:
  - **Average qualification** (including this semester)
  - **Performance parameter** (Alfa)
- First "feasible" destination is assigned
  - Vacancies are still available
  - Academic constraints are passed

16-22/02/2026

Q1: Spring
Q2: Autumn

Procedures Before you Go

ETSETB

Nomination

Student

Application + Documentation

- Watch out for the deadlines!

Student

TFG/TFM
Find a project

- Check the *observations* field and the *factsheet*
- Check the ETSETB contacts
- Check the ETSETB's co-tutor of previous TFG/TFM (warning: co-tutor is not supervisor)

Student

ETSETB: check observations field and factsheet
Destination: explore the information published at its website

- Always follow the institution guidelines
- Avoid contacting teachers at the destination, unless explicitly indicated in the guidelines

https://telecos.upc.edu/ca/international/studying-abroad/procediment/abans-de-marxar-estades-destudis

Double Degrees

Master's degree in Electronic Engineering (MEE)

Double degrees in the MEE
Master structure
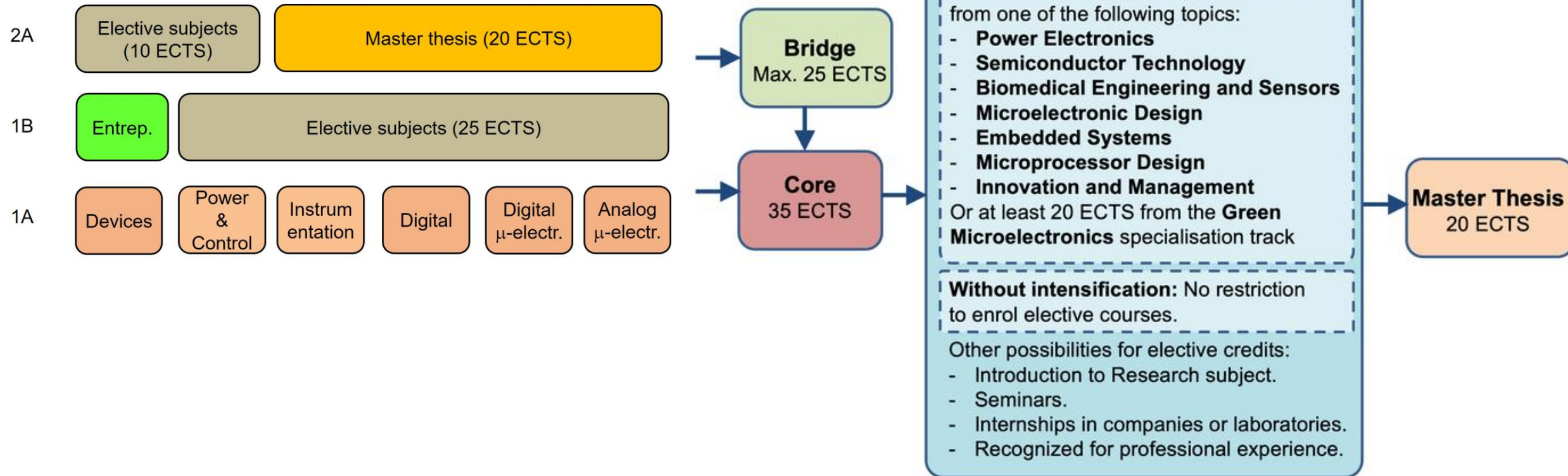
Double degrees in the MEE

Double degree track
(90 ECTS - 2 year long curriculum)

1st semester	2nd semester	3rd semester	4rd semester
CORE	CORE + ELECTIVE	ELECTIVE	TFM

- **30 ECTS**
- **Mandatory**

- **5 ECTS (mandatory)**
- 25 ECTS (elective)

- 10 ECTS (elective)
- 20 ECTS (TFM)

To be done at ETSETB

To be done at destination
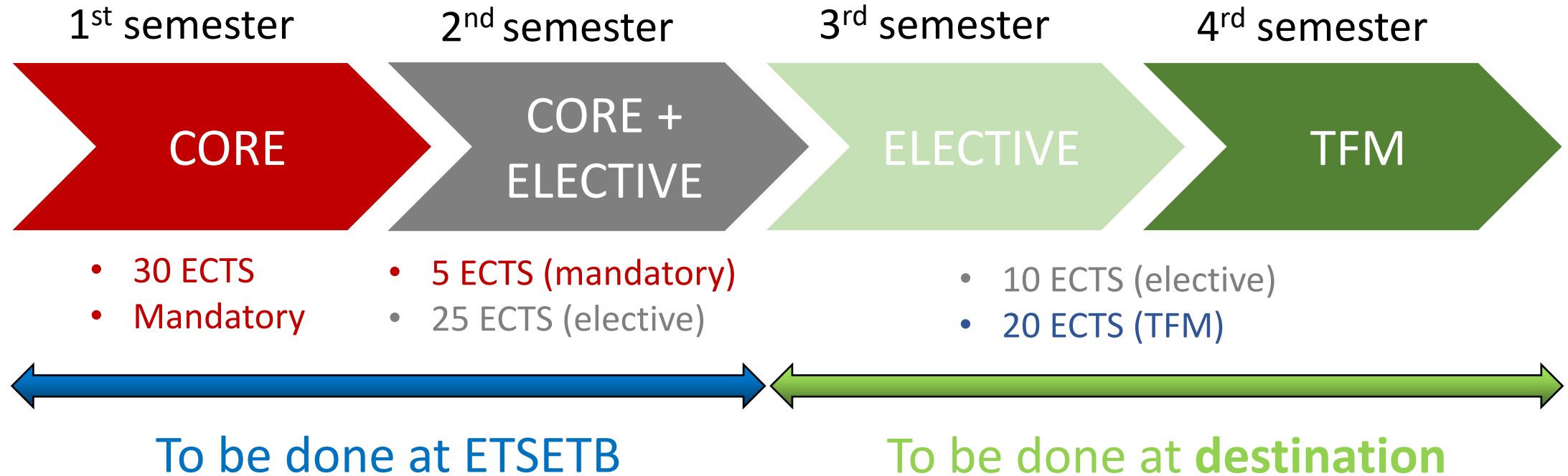
Double degrees in the MEE

Master in Electronic Engineering   (Ready for Signature)

- Six tracks available:
    - Track in Microelectronics
    - Track in Electronic Micro and Nanosystems
    - Track in Embedded Systems
    - Track in Analog and Power Design
    - Track in Radio Frequency System Design
    - Track in Sistemi Elettronici

Master's Degree in Engineering   (Under Negotiation)

- Physical engineering for photonics and microelectronics (IPHY)
    - Oriented to physics and nanotechnology
    - Aligned with the MEE's specialization on Semiconductor Technology
- Integrated electronic systems (SEI)
    - Broad list of topics
    - Taught in French
    - Extended academic track: 1 (ETSETB) + 2 (G-INP) years

Double degrees in the MEE

- ## Scholarships available for MEE students undertaking a mobility at a GreenChips-EDU destination

  - Politecnico di Torino (Torino, Italy)
  - IST Lisbon (Lisbon, France)
  - Grenoble-INP (Grenoble, France)

  - TU Gratz (Styria, Austria)
  - TU Darmstadt (Darmstadt, Germany)

- ## Scholarships cover expenses not covered by the Erasmus programme

  - **Transportation** and **housing** during periods not covered by the Erasmus grant
  - **Enrollment** at the ETSETB
  - Any **fees** required at the host institution (or at the ETSETB)
  - In double-degree programmes, transportation and housing expenses for the academic year in which the student remains at the ETSETB
  - ...

Further information

Application

Co-funded by the European Union

GreenChips-EDU
Educate for a Sustainable Tomorrow

Erasmus+

Master's degree in Telecommunications Engineering (MET)

UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH
UPC

telecos
BCN

Double degrees in the MET
Master structure

120 ECTS
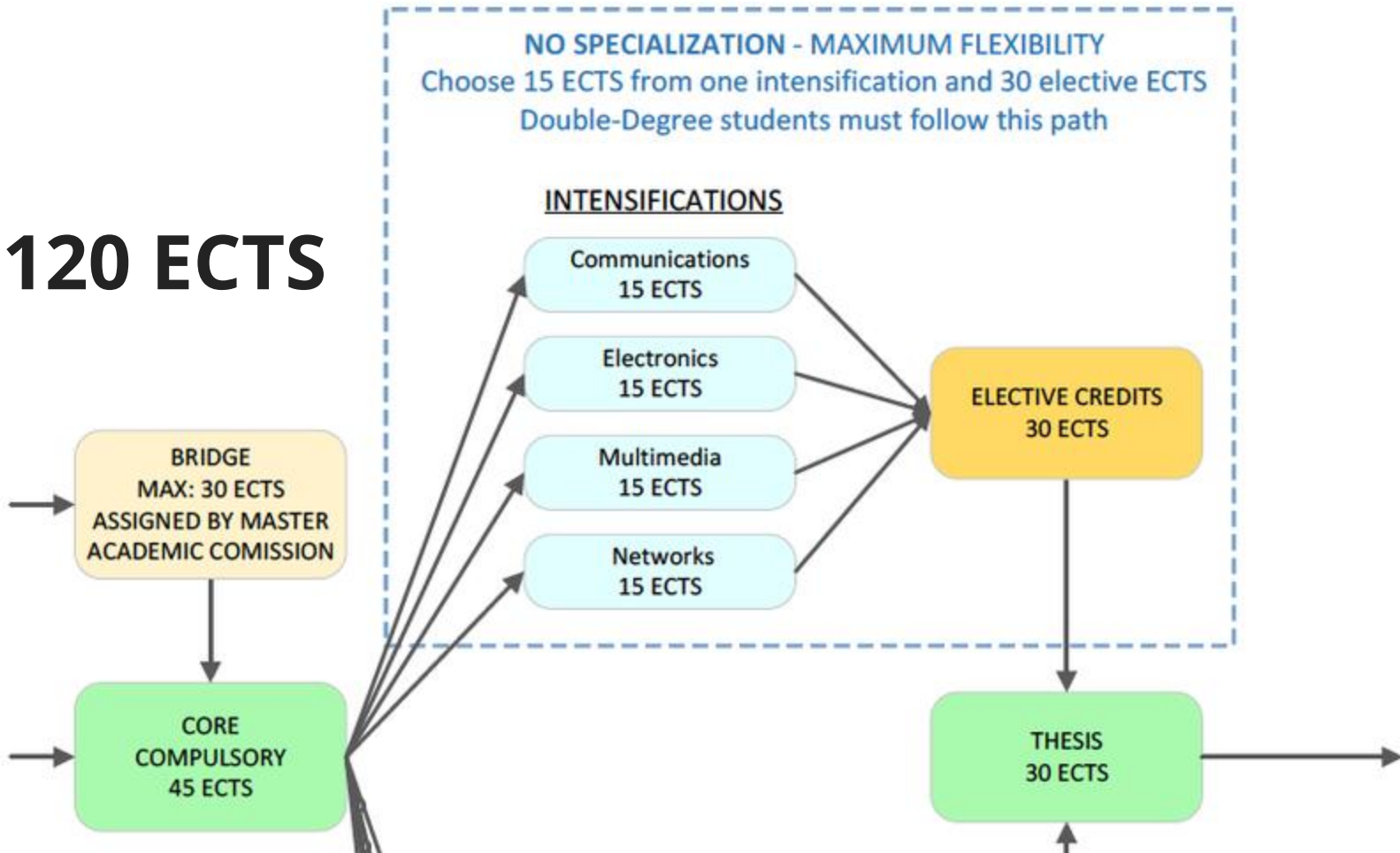
No Specialization in DD
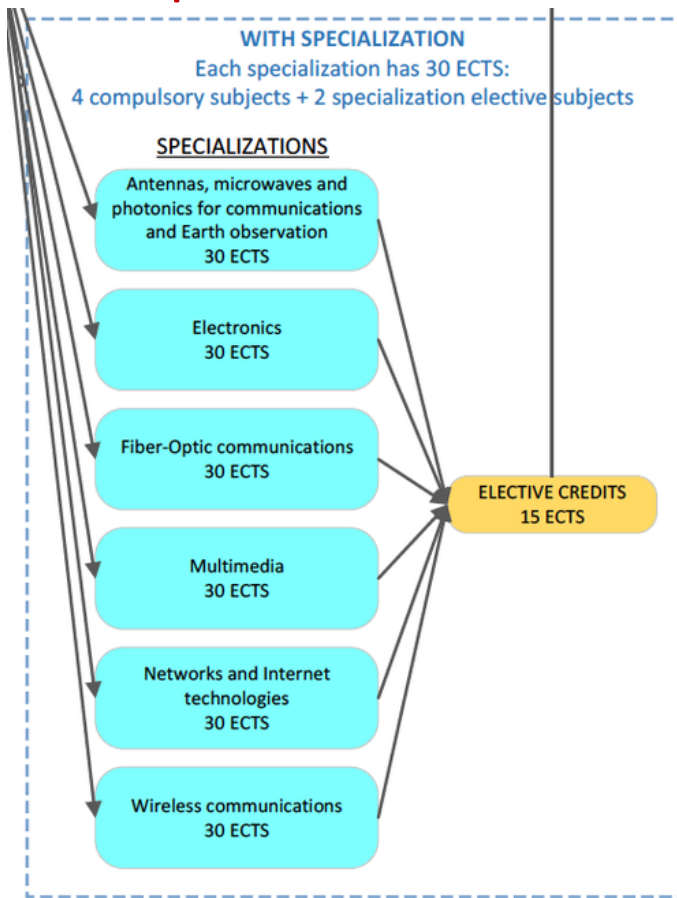
Double degrees in the MET

ETSETB

PARTNER

1st year

CORE (45 ECTS)

INTENSIFICATION (15 ECTS) *

1 year →

3rd semester — 30 ECTS COURSES
4th semester — MASTER THESIS 30 ECTS

ILLINOIS INSTITUTE OF TECHNOLOGY

1,5 years →

3rd and 4th semesters — 60 ECTS COURSES
5th semester — MASTER THESIS 30 ECTS

KTH VETENSKAP OCH KONST · POLITECNICO MILANO 1863 · UCAB
TECHNISCHE UNIVERSITÄT DARMSTADT · Politecnico di Torino

2 years →

3rd, 4th and 5th semesters — 90 ECTS COURSES
6th semester — MASTER THESIS 30 ECTS

HEC PARIS · ENSTA IP PARIS
ISAE SUPAERO
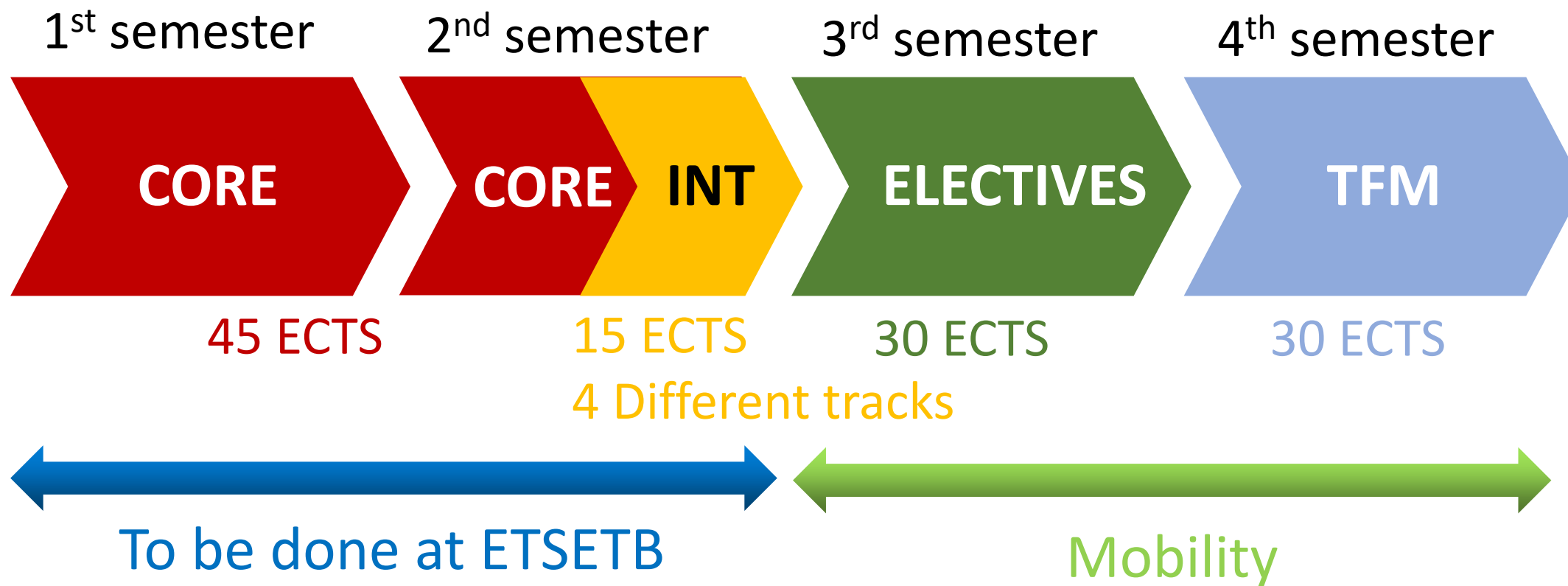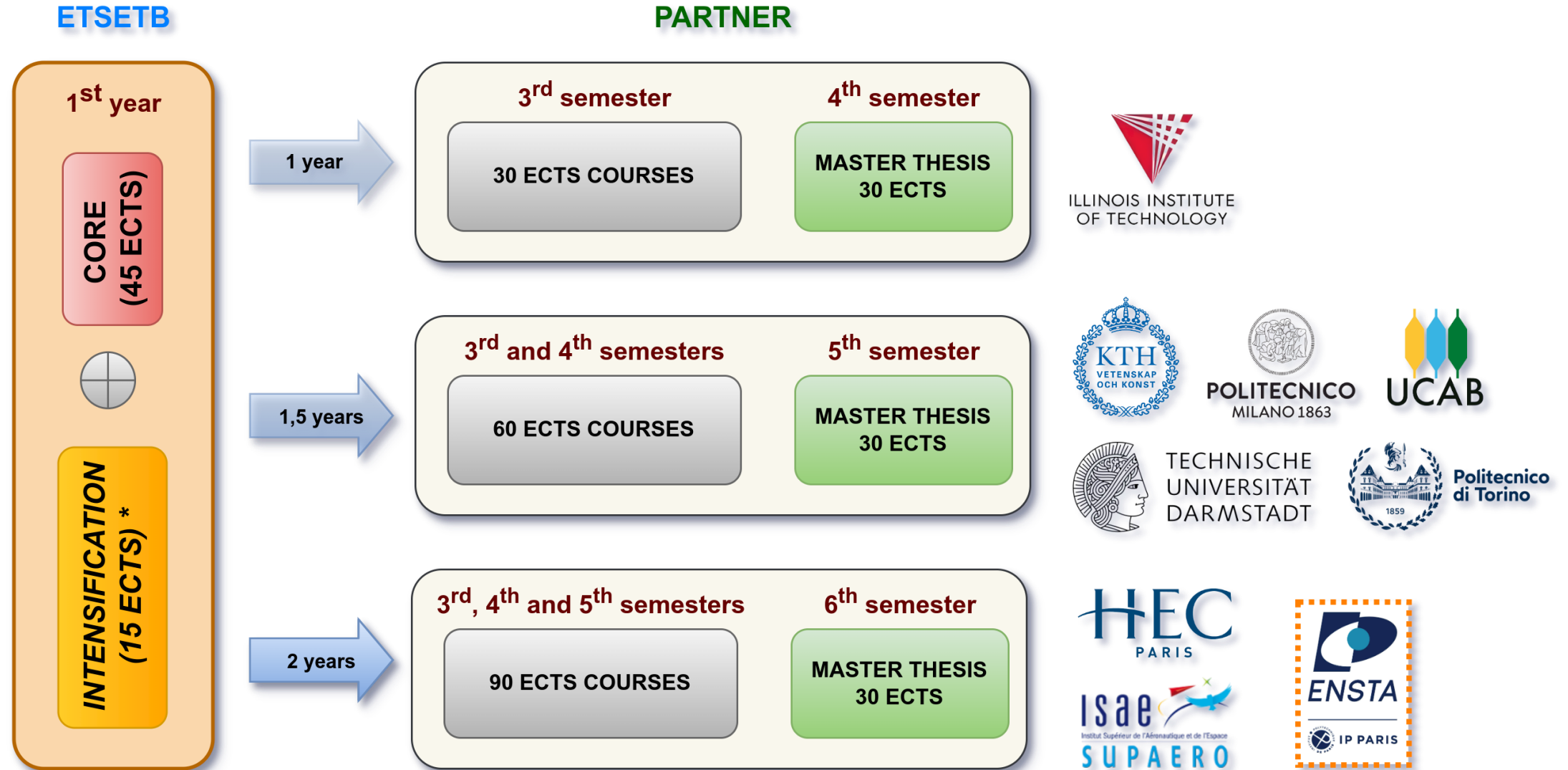
* Students requiring bridging courses should contact the Vice-Dean of International Relations to work out a tailor-made course schedule

Double degrees in the MET

General Terms and Conditions

- You must be enrolled in the MET/MEE master.

- You must apply to the mobility call (2026/27).

- It is a <u>double degree</u>: you get graduated when **both degrees** are completed.

- Even you are abroad, you must fulfill your duties with ETSETB, <u>as you are still a ETSETB student.</u>

- Elective courses must be agreed upon with the MET/MEE academic program manager.

- You must register, enroll and defend the TFM at the ETSETB.

2 Years

Double degrees in the MET

Illinois Institute of Technology (IIT)

- Location: Chicago (Illinois, USA)

- Duration: 1 year only (very intensive)

- Costs:
  - Tuition: ~**25,000$** / year (1,200 $/Ch)
  - Housing: ~**1,500$** / month

- Credit transfer
  - Up to **9 c.h.** (depends on the MSc program)

- STEM masters allow students to work in USA for **3 years**

- English Level:
  - TOEFL (NOT home edition) 80 overall AND 20 in each of the 4 subsections.
  - IELTS (NOT home edition) 6.5 overall AND 6.0 in each of the 4 subsections/bands.

- Minimum Mark: B (**7.0**)

Illinois Institute of Technology (IIT)

- MSc programs
  - Master of Science in Electrical Engineering (32 c.h.)
  - Master of Science in Computer Engineering (32 c.h.)
  - Master of Biomedical Imaging & Signals (30 c.h.)
  - Master of Network Engineering (30 c.h.)
  - Master of Telecommunications & Software Engineering (30 c.h.)
  - Master of Information Technology & Management (30 c.h.)
  - Master of Cyber Forensics and Security (30 c.h.)
  - Master of Information Technology and Management (30 c.h.)
  - Master of Computer Engineering in IoT (30 c.h.)
  - Master of Biomedical Data Science and Modeling (32 c.h.)
  - Master of Mathematical Finance (30 c.h.)
  - Master in Technological Entrepreneurship (30 c.h.)
  - Master of Science in Environmental Management and Sustainability (33 c.h.)
  - Master of Science in Autonomous Systems and Robatics (32 c.h.)
  - Master of Science in Biomedical Data Science and Modeling (32 c.h.)
  - Master of Science in Medical Devices and Biomaterials (32 c.h.)
  - Master Engineering in Artificial Intelligence, Computer Vision, and
  - Control (30 c.h.)
  - Master of Computational Engineering, Optimization, Machine Vision, and Decision Making Track (30 c.h.)
  - ....

2.5 Years

Double degrees in the MET

Royal Institute of Technology (KTH)

- Location: Stockholm (Sweden)
- Duration: 1.5 year
    - 2 semester for courses (42 ECTS from the chosen program)
    - 1 semester for the TFM
- Language: English
- You only pay tuition at the ETSETB

Double degrees in the MET

Royal Institute of Technology (KTH)

- MSc programs
  - MSc in Embedded Systems
  - MSc in Machine Learning
  - MSc in Nanotechnology
  - *MSc in Communication Systems*
  - *MSc in Cybersecurity*
  - MSc in Electric Power Engineering
  - MSc in Electromagnetics, Fusion and Space Engineering
  - MSc in Information and Network Engineering
  - MSc in Systems, Control and Robotics

Double degrees in the MET

Politecnico di Milano (PoliMi)

- Location: Milan (Italy)
- Duration: 1.5 year
  - 2 semester for courses
  - 1 semester for the TFM
- Language: English
- You only pay tuition at the ETSETB
- Master of Science in Telecommunication Engineering (5 tracks)
  - Internet engineering
  - Signals and data analysis
  - Communication networks and internet
  - Data communications
  - Microwaves and photonics

Politecnico di Torino(PoliTo)

- Location: Torino (Italy)
- Duration: 1.5 year
    - 2 semester for courses (track completely planned)
    - 1 semester for the TFM
- Language: English
- You only pay tuition at the ETSETB
- MSc program: Master of science in Communications Engineering

Double degrees in the MET

TU Darmstadt

- Location: Darmstadt (Germany)
- Duration: 1.5 year
  - 2 semester for courses
  - 1 semester for the TFM
- Language: depending on the program
- You only pay tuition at the ETSETB
- MSc programs
  - MSc. Electrical Engineering and Information Technology (English / German)
  - MSc. Information and Communication Engineering (English)

Universidad Católica Andrés Bello

- Location: Caracas (Venezuela)
- Duration: 1.5 year
  - 2 semester for courses
  - 1 semester for the TFM
- Language: Spanish
- MSc programs
  - Maestria en Sistemas de Información
- You must pay tuition at both institutions

3 Years

Double degrees in the MET

ISAE - SUPAERO

- Location: Toulouse (Midi-Pyrénées, France)
- Language: French / English
- MSc program: Ingénieur ISAE - Supaero
- Duration: 2 year
  - Option 1
    - 3 academic semesters (3, 4 and 5)
    - 1 semester dedicated to TFM
  - Option 2
    - 2 academic semesters (3 and 5)
    - 1 semester dedicated to an internship (4)
    - 1 semester dedicated to TFM

- You must pay tuition at both institutions
  - First year, only at the ETSETB
  - Second year, at both institutions (~3000 € at ISAE-SUPAERO)

École des Hautes Études Commerciales (HEC)

- Location: Paris (France)

- Program: Master in Management

- Duration: 2 years

  - Generalist phase (1st year): common track

  - 1 optional gap year (get professional experience)

  - Specialization phase (2nd year): courses and TFM

- Language: English

- We do our best to let you apply to the 3rd round

- You must pay tuition at both institutions

École des Hautes Études Commerciales (HEC)

- Costs (HEC)
  - Tuition: ~**26,000€** / year
  - Living (housing, food, leisure,..): ~**12,000€** / year

- Procedure
  - Nomination
  - Assessment / Inverview
    - Academic transcripts
    - CV (Currículum)
    - Recommendation letters (2 professors)
    - Language certificates
  - Admission

Traineeship

Traineeship

Studies
(Courses & TFE)
(Agreement)

Standard
(1 semester)

Double Degree
(MET/MEE)

Mobility Call
(Internal Procedure)

Mobility

Traineeship
(TFE)
(NO Agreement)

Universities
(Contacts / free search)

Research Centers
(Contacts / free search)

USA
(Eduard Alarcón)

Companies
(ETSETB offer / free search)

Scholarships
(Worldwide Calls)

Outside
Mobility Call
(External Procedure)
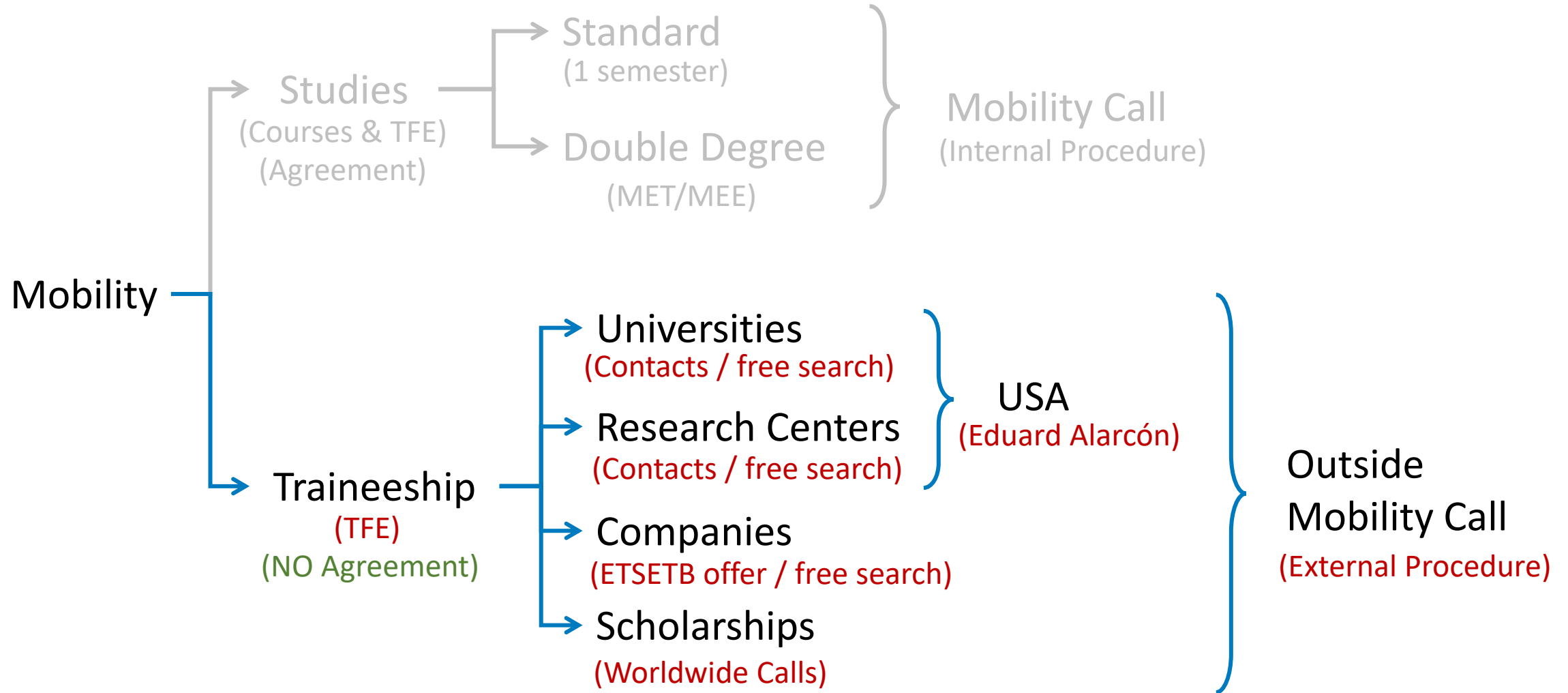
Traineeship

- **Research oriented** (no courses)

- How to find a traineeship?

  - Option 1: offered at some the destinations as a way to carry out the TFE

  - Option 2: projects offered by companies to ETSETB students (check company positions)

    - We update offers from companies as soon as we receive them

    - Application to up to **3 positions**

    - Whatever the result, please give us feedback

Traineeship

- How to find a traineeship?

  - Option 3: Competitive scholarship programs (check the a comprehensive list of scholarship programs at ETSETB website)
    - NII (Japan - TFM only), VULCANUS (Japan - No academic purposes)
    - CERN – Centre d'Investigació Nuclear situat a Ginebra (Suïssa)
    - Balsells (USA) - Boulder (Colorado), Irvine (California)
    - Xiji Incubator at Tonji University, in Shanghai.
    - Unitech
      - 1 or 2 semesters for courses (>=20 ECTS each)
      - 1 or 2 trimesters for internship

Traineeship
Unitech

The Programme Structure

Home University	Current Master's studies / Application / Assessment Center
Start-Up Week	
Host University	Exchange with an Academic Partner in the Autumn and / or Spring semester / continue Master's studies
Mid-Term Week	
Corporate Partner	Internship / Master's Thesis (ideally in a different country)
End-of-Year	
Home University	Complete Master's degree
Graduation	Explore employment opportunities with Corporate Partners
UAA Alumni Association	Continue developing the network of professional possibilities

= 3 coached modules

Requirements to graduate from the UNITECH Programme

3 Joint Modules
Start-Up Week, Mid-Term Week and End of Year

+

Academic Exchange
1 or 2 semesters (at least 20 ECTS per semester (excluding language courses)

+

Internship
At least one internship with one CP for at least 4 months (6 months are recommended)

+

Master's degree

=

UNITECH Fellowship
Once all UNITECH Credit requirements are fulfilled and you have obtained your home Masters Degree, you are eligible to receive the UNITECH Fellowship certificate.

https://www.unitech-international.org

Traineeship
Unitech

Information for Outgoing Students

Students have to be from one of the UPC schools/faculties that participate in the programme). There is no minimum mark as a requirement. Your transcript of records has to generally show your overall performance and motivation. An English certificate confirming your English knowledge is compulsory for the application. See contact details and more information about eligibility and requirements on the UPC information for outgoing students page.

Information Event	Application deadline	Assessment Centre
TBD	12 Dec. 2025	28 Jan. 2026

Please note that Universitat Politècnica de Catalunya (UPC) students cannot participate in academic exchange at Aalto University in 2026.

Informative Session December 3rd 17:00

https://meet.google.com/hog-nrhj-joc

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Bérénice Martin
+34 93 401 58 04 or
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berenice.martin@upc.edu

UAA Local Chapter Coordinators
uaa.lcc.spain@unitech-international.org

https://www.unitech-international.org

Traineeship

- How to find a traineeship?

  - Option 4: free search

    - Contact professors at ETSETB
    - Contact professors at your desired universities
      - Requires a lot of preparation in advance
    - Look for internships at your desired companies / research centers
      - Requires a lot of preparation in advance
    - Erasmus Intern
    - Check the Unite website

USA

USA Mobility

- Internships at **top USA institutions** (look at the Destins de Mobilitat section on the ETSETB intranet)

- **Research oriented** (no courses/subjects)

- Often involves longer mobility periods (~10 months)

- Specific presentation (by Prof. **Eduard Alarcon**) **December 17th**

- Personal interview with Prof. Eduard Alarcon.

- Administrative process very difficult & High risk (Best effort from ETSETB)

- Erasmus grant difficult to obtain

Funding

Funding
Scholarships and grants

Mobility destinations ⧉

Offer of international mobility destinations at the ETSETB

Types of mobility

Bachelor's and master's Theseis at foreign companies or universities

Scholarships and grants

Erasmus+ programme, Santander scholarships, Faro programme, MOBINT AGAUR, "La Caixa" social welfare programme

Languages

Certify your language register for language courses and exams

Funding

- Family → Talk, save…

- <u>Grants/Scholarships</u>?

  - **Erasmus+**

  - **Mobint** Generalitat de Catalunya

  - Santander Erasmus

  - ....

- Check the <u>list of scholarship programs</u> at our website

- Check the <u>Beques per a la Mobilitat</u> at SGA

Where to Find Information

- Consult **Barcelona Telecom School website**
  https://telecos.upc.edu/ca/mobilitat
- Consult **foreign university website**
- Academic questions: **Vice Dean of International Relations**
  (Building B3, 2nd floor, Room 202b)
  subdir.internacional.etsetb@upc.edu.
- Administrative questions: **Academic Office**
  (Building B3, ground floor)
  students.mobility.etsetb@upc.edu
- Questions about agreements: **External Relations Area**
  (Building B3, 1st floor)
  institutional.mobility.etsetb@upc.edu
- UPC's **International Relations Bureau**.
  https://www.upc.edu/sri/en

https://telecos.upc.edu