



UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH
Barcelona School of Informatics

FIB

FIB Masters

Master in Informatics Engineering (MEI)

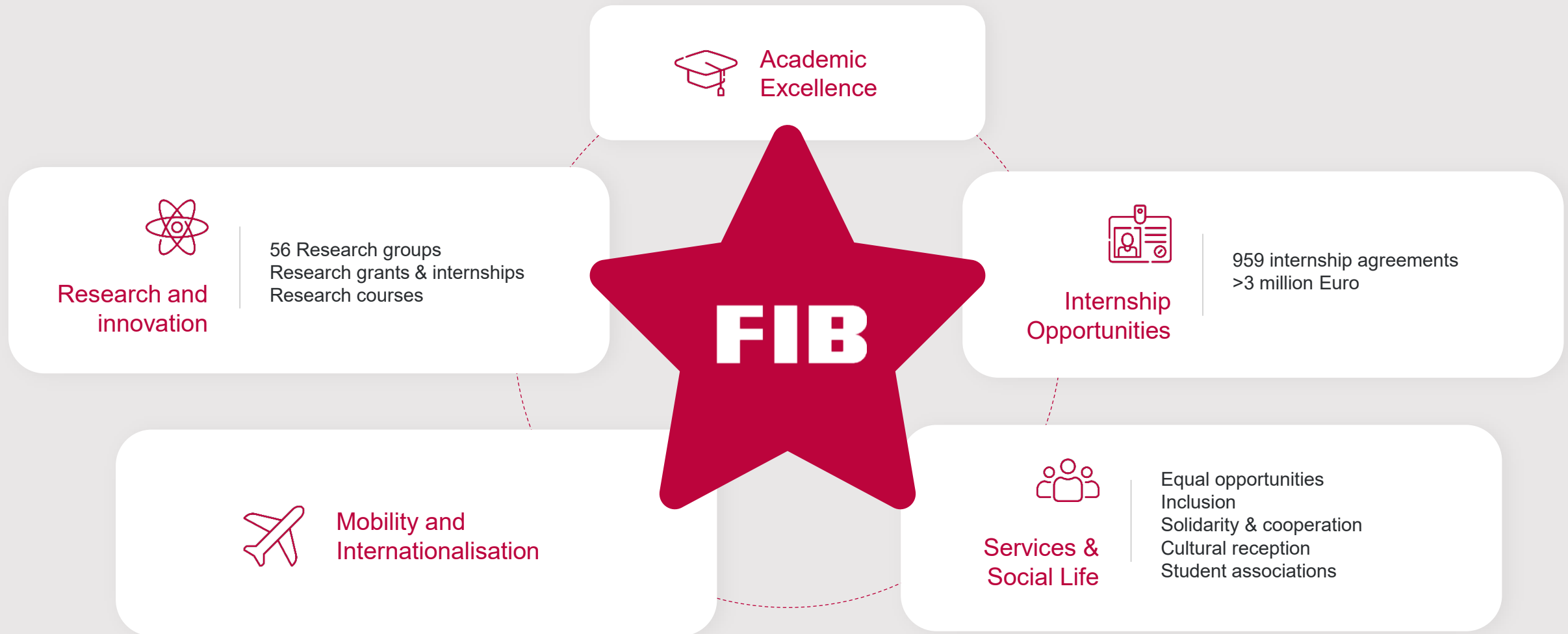
fib.info.masters@upc.edu

Oscar Romero

Vice dean of Postgraduate Studies



FIB Excellence



Barcelona School of Informatics

The leading center for Computer Science studies.



Top 10 Computer Science Schools in Europe

Equipped with the right resources, expert teaching staff, and years of experience, we offer a diverse array of high-value courses

Social impact: our graduates are top-tier professionals, in high demand by organizations driven by innovation and growth

A pioneering school in higher education that has spearheaded Catalonia's progress in this field

Leading the way since 1977

The FIB has been a benchmark centre since its inception in and the launch of its academic programmes in the 1976-1977 academic year

50 years of excellence in Bachelor's, Engineering, and Master's studies

As part of the UPC, we are responsible for the official degree programmes in Computer Engineering

Barcelona School of Informatics

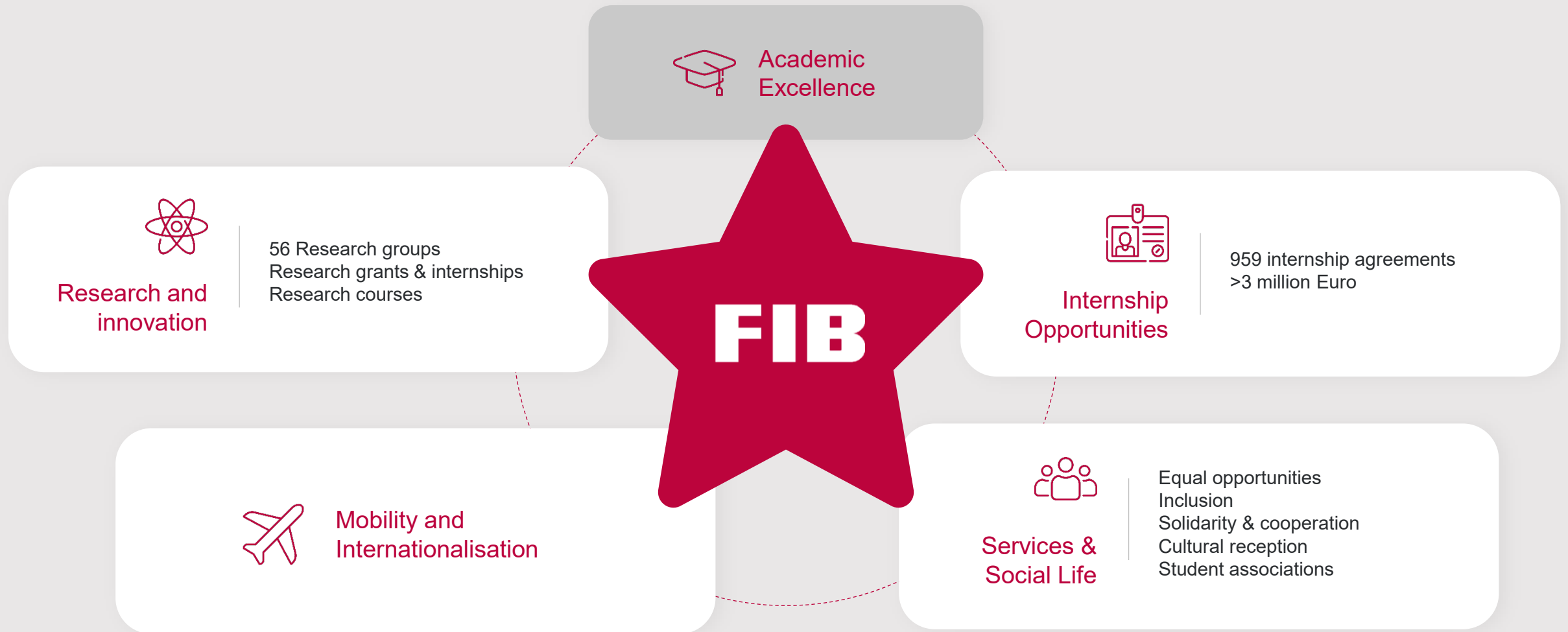
The leading center for
Computer Science studies.



For more details, please visit our dedicated website: <https://www.fib.upc.edu/en/masters/master-informatics-engineering>, where you will find videos and slides from our general information session, as well as more detailed information about the school.



FIB Excellence



MEI: Master in Informatics Engineering

The master's degree equips graduates with knowledge and hands-on experience across a wide spectrum of information technology domains: from cloud computing to security and from computer graphics to information systems, with a focus on IT management and leadership.

Graduates become the “Swiss Army knife” of IT in their organizations.

- This degree is equivalent to the former *Enginyer en Informàtica*
- Accreditations: EQUAINE, AQU-Excellence
- Language: Spanish / Catalan (B2)
 - Some courses are taught in Catalan and some in Spanish
 - Support to Spanish-speaking students to learn basic Catalan to follow the lectures
- 90 ECTS : 1.5 years – Strong professional orientation
 - 45 Compulsory (36 IT, 9 Management)
 - 15 Elective (3 ECTS on Management)
 - 30 Master thesis
- Industrial Agreements – Curricular Internships, Professional Experience (elective ECTS)
- Complementary courses might be required



Learn more

<https://www.fib.upc.edu/en/masters/master-informatics-engineering>

MEI: Master in Informatics Engineering

	Recommended MEI path	
S1	Bussiness & Management (6)	Information Technology (24)
S2	Bussiness & Management (6)	Information Technology (24)
S3	Master Thesis (30)	

NOT all courses are offered every semester: plan ahead carefully!



Social and Technological Challenges

E-Health

**Hardware Design and
Acceleration**

**Applied Artificial
Intelligence**

**3D Gaming Rendering in
Real Time**

Big Data and Data Science

**Programming Models and
Parallel Exploitation**

TECHNOLOGY TRANSFER

Research, Development and Innovation



Employment Perspectives

Video Games & VR/AR

Specialized development and immersive experiences

Sustainable Companies

Green tech and ethical corporate environments

Software Engineering

Core architecture and large-scale systems

AI & Data Science

Intelligent systems and advanced analytics

Security & Multimedia

Internet safety and content protection

Embedded & IoT

Mobile, Industry 4.0, and smart devices

Strategic Training & Leadership

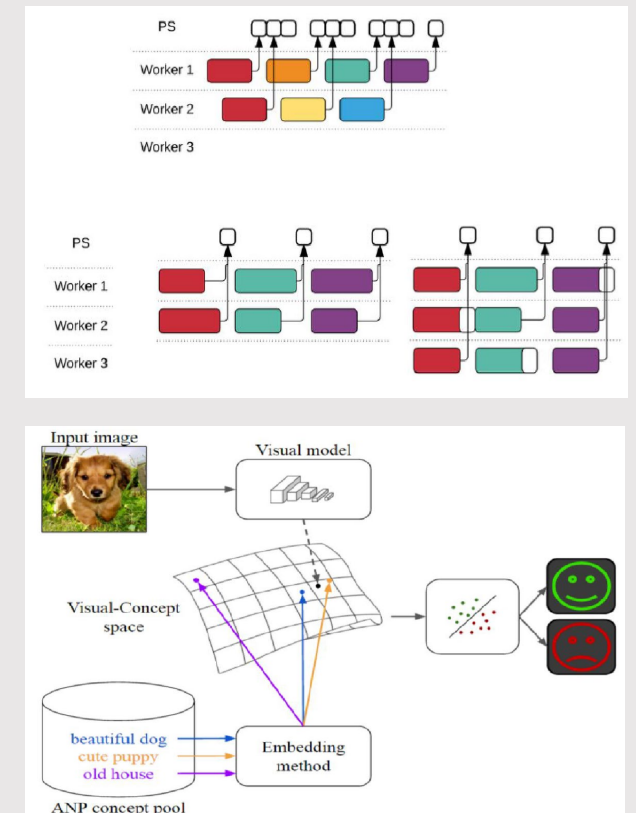
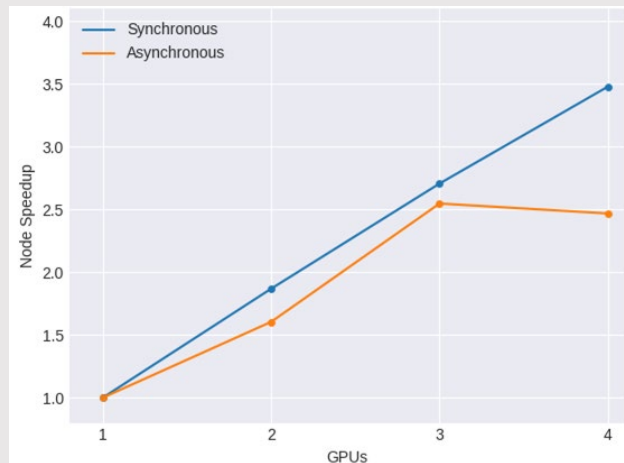
+ *Project management, innovation, entrepreneurship, product feasibility, and spin-off creation*

NATURALLY ORIENTED TO BECOME A CIO

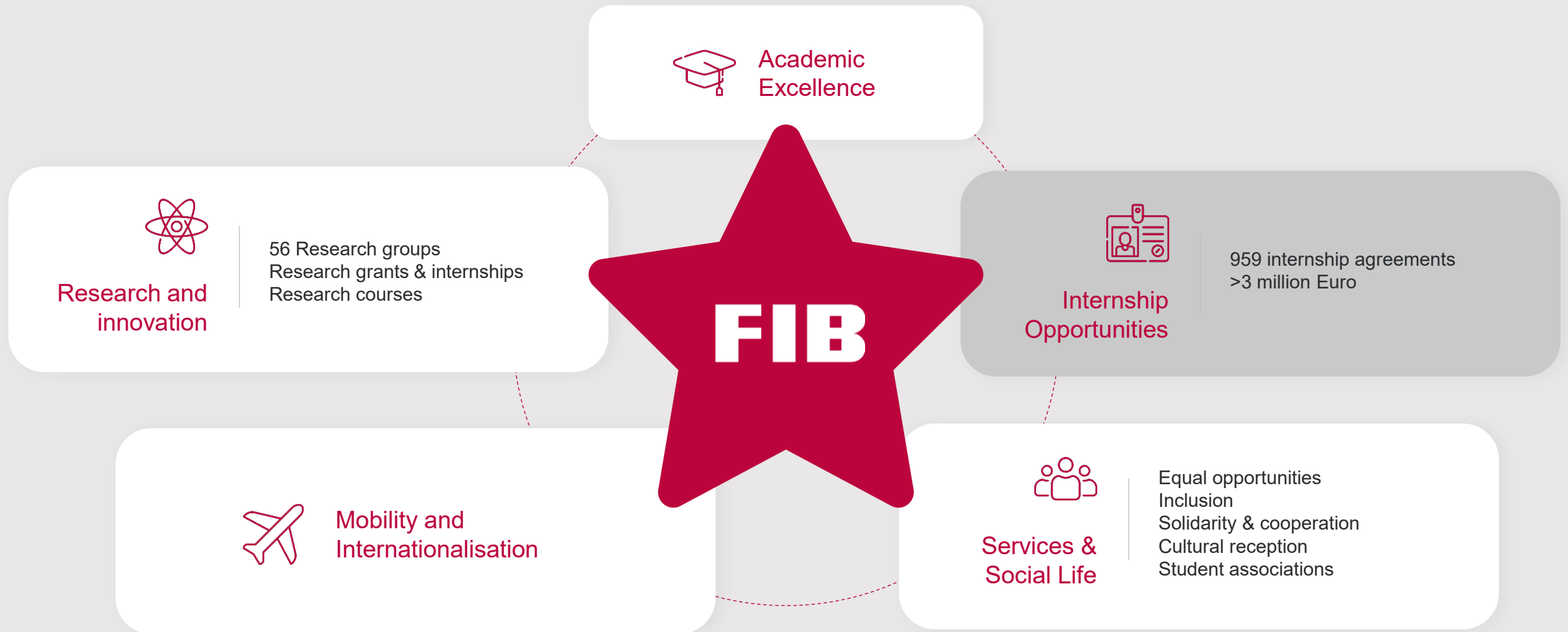
Master Thesis: HPC for Deep Learning

“Study of Deep Learning Algorithms Scalability in High Performance Computer Infrastructures” by Francesc Sastre Cabot

High Performance Computing and Parallel Techniques to Speed-up Deep Learning
(image classification, object detection, etc.)



FIB Excellence



Industrial MEI:

- ✓ Intensive training academic-professional
- ✓ Focus on project management and team leadership

- ✓ A maximum of 4-5 hours/day dedicated to their studies at FIB
- ✓ Compact Lecture Schedule: 3 afternoons per week (14:00 to 20:00)
- ✓ The rest of hours are devoted to self-study activities that can be conducted from home



Industrial MEI: Internships



Hour requirements

- ✓ Maximum per academic year: 900 hours
- ✓ Master Thesis: 450 additional hours (1350h total)
- ✓ Company: minimum 11€ gross/hr
maximum 20€ gross/hr
- ✓ UPC: 8€ gross/hr



ECTS rate

- ✓ Elective ECTS (min 6, max 12) + Master Thesis ECTS
- ✓ Master Thesis (Mod B –company- or D –foreign company-)
- ✓ Professional Experience as elective ECTS (via work contract):
 - Previous or during the master
 - 1600 hours per 6 credit. Then, proportional

30 hours = 1 ECTS



MEI: Master in Informatics Engineering

	MEI	Industrial MEI	
S1	ACAP, CSI, SEU, SGI, PEGTI +1,5 ECTS (1 management course)	SGI, CSI, PEGTI+SECS	Internship or working experience
S2	VPEI+FPEI, DGSI, ISDCM +7,5 ECTS (~3 elective courses)	VPEI+FPEI, DGSI, ISDCM	Internship or working experience
S3	Master Thesis	SEU, ACAP	Internship or working experience
S4	Master Thesis (B or D modality)		

ECTS (industrial modality)

FIB

48

ECTS

Industry

42

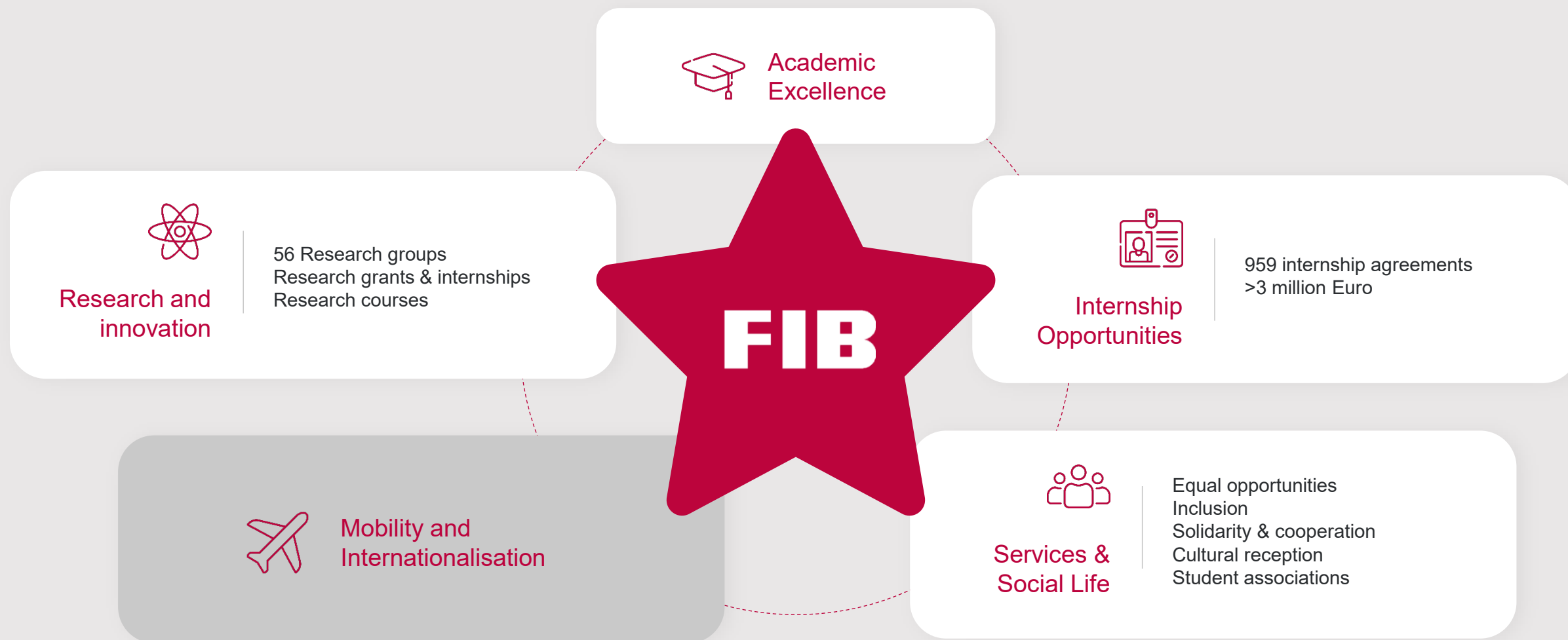
ECTS

Total

90

ECTS

FIB Excellence



MOBILITY and INTERNATIONALISATION

>200 requests including
bachelor and master
students for 2024/2025

MEI students leaving to
Buenos Aires, Taiwan,
Santiago de Chile and
Twente

#fibersworldwide

This exchange was a once-in-a-lifetime experience. I made great friends, matured personally, and lived through moments that wouldn't have been possible otherwise.

138

Universities

43

Countries

2

Double Degrees



Illinois Institute of Technology

- MEI (1st year, 60 ECTS)
 - IT Courses: ACAP, CSI, DGSI, ISDM, SEU, SGI, PEGTI, VPEI
 - B&M Courses: FPEI, SECS
 - + 12 ECTS in elective courses
- Illinois Tech, 2nd year- 2 semesters (August-May, 60 ECTS, coursework + research)
 - Industrial Agreements – Curricular Internships, Professional Experience (elective ECTS)
- Tuition for this 2nd year is paid at both UPC (30 ECTS electives + Master's Thesis) and Illinois Tech.



Université Clermont Auvergne ISIMA

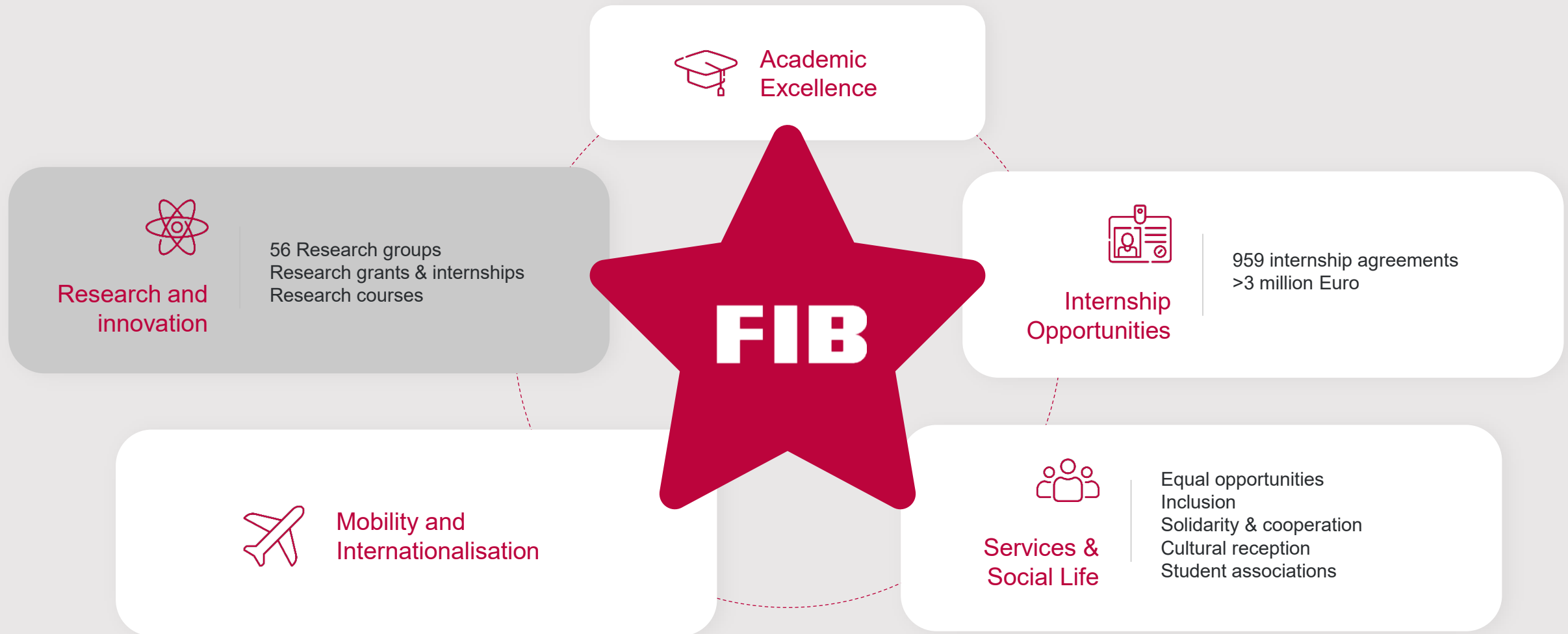
- MEI (1st year, 60 ECTS)
 - IT Courses: ACAP, CSI, DGSI, ISDM, SEU, SGI, PEGTI, VPEI
 - B&M Courses: FPEI, SECS
 - + 12 ECTS in elective courses
- Master of Science in Computer Science (60 ECTS)
 - 10 courses from a pool (3 ECTS each) – decision science and data science topics
 - 9 ECTS research project + 21 ECTS internship
- The student pays the fees for the second year at UPC (UPC price)



Learn more

<https://www.fib.upc.edu/en/mobility/double-degrees/universite-clermont-auvergne>

FIB Excellence



Research & Innovation



UPC, and FIB specifically, is a leading research institution.

- ✓ Top university obtaining Horizon Europe projects
- ✓ Start-ups, spin-offs, innovation and technology transfer

Our Research →



One strong aspect of our masters is that our teaching staff are also **researchers** with wide experience on the topics they teach.

- ✓ Belong to different departments and research group
- ✓ Have strong networks with researchers all over the world
- ✓ Elective courses on Introduction to Research



Our research groups belong to 8 transversal departments.

- Mathematics (MA)
- Business Administration (OE)
- Computer Architecture (AC)
- Physics (FIS)
- Services and Information Systems Engineering (ESSI)
- Computer Science (CS)
- Statistics and Operational Research (EIO)
- Systems Engineering, Automatic Control and Industrial Informatics (ESAI)

Barcelona Supercomputing Centre

Large flow of Master students



BSC participated in 12 of the 15 European centres of excellence for HPC applications

We participated in

12

We led

4

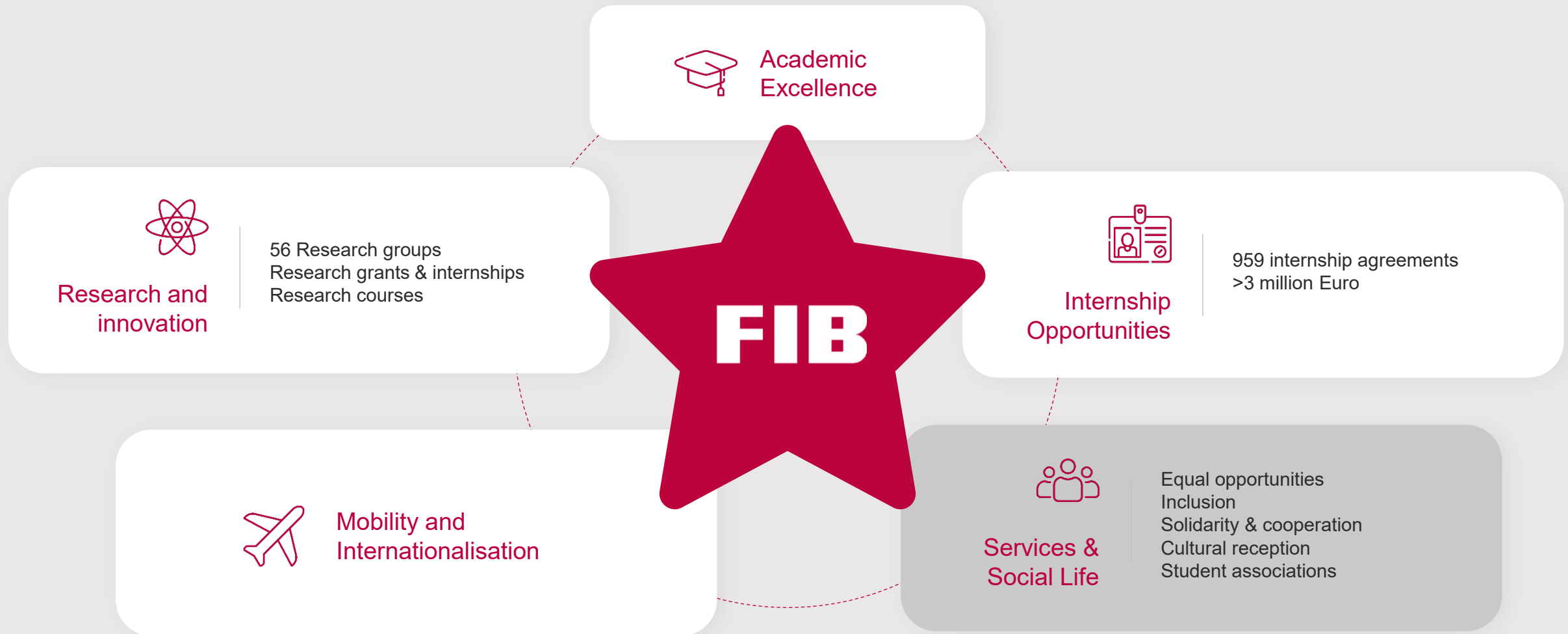


Internships



Final Thesis

FIB Excellence



Services

Equal Opportunities

- Bullying
- Gender Equality
- Transgender Community

Learn More →



Solidarity and Cooperation

Learn More →



Libraries



Learning Languages

Learn More →



Sports Club



Inclusion

- Learning Needs
- Teaching Support
- Psychologic orientation

Learn More →

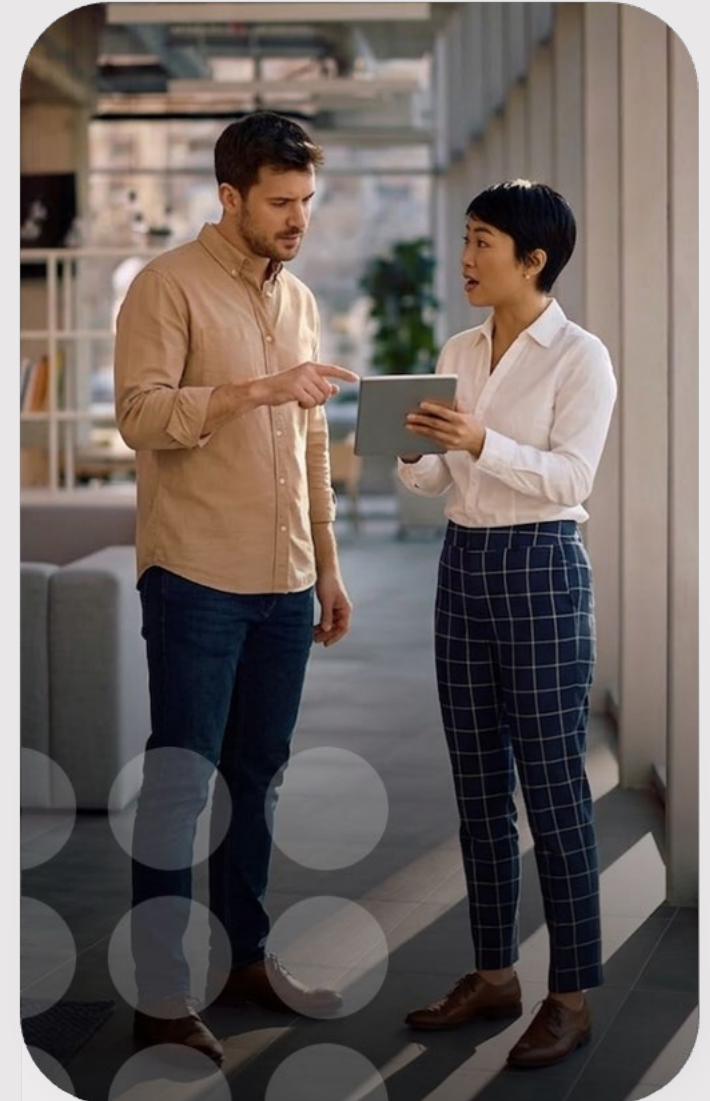


Cultural Reception

Learn More →



UPC Arts




[Learn more
https://www.upc.edu/en/university-life-and-services](https://www.upc.edu/en/university-life-and-services)

University Life



Learn more about
FIB promoted social activities



UGAFIB

Tecnologia
per a
Totthom



Linux
UPC

 L'Oasi

fiberparty

jedi
AUXILIAR EMPRESAS

hackers
@UPC

FIBALUMNI

DEFIB
Departament d'Enginyeria de la Informàtica

FIB Visiona

CRUPC

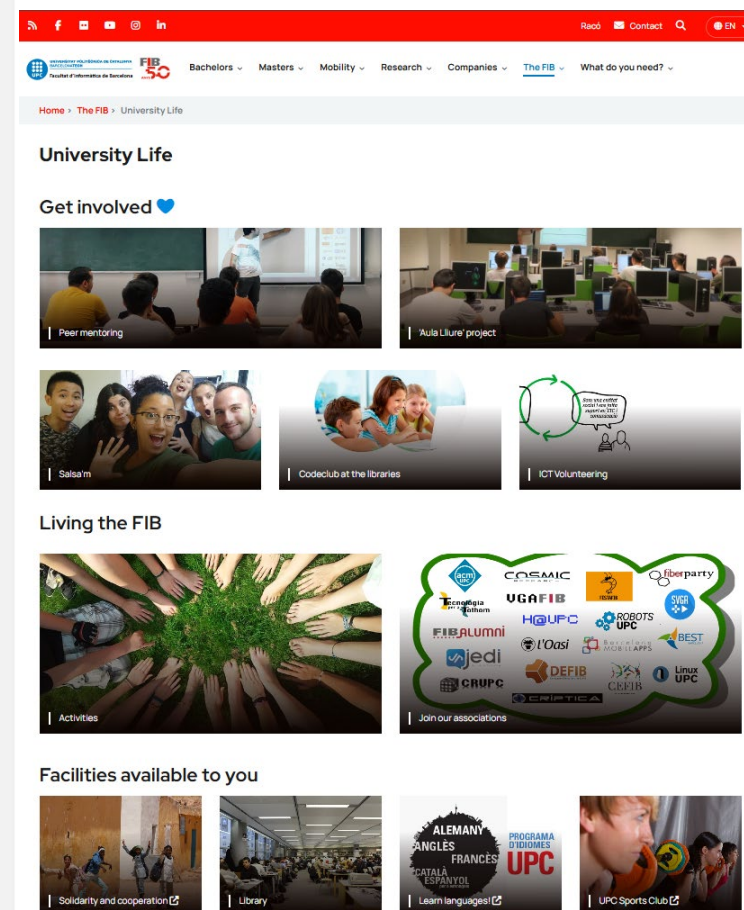
CRÍPTICA

CEO

CEFIB
CLUB D'ENGINYERIA DE LA INFORMÀTICA

BEST
BARCELONA

FESTAFIB



Events



Enrolment Procedure

Interested in our masters? This is the procedure to follow.



 [Learn more
https://www.upc.edu/en/masters/access-admission-enrolment](https://www.upc.edu/en/masters/access-admission-enrolment)

Important Dates



Admission: From 25th February to 29th May 2026



Two (three) admission periods:

First period:

- Deadline to apply: 17th April 2026
- Tentative admission notification: 30th April 2026

Second period:

- Deadline to apply: 29th May 2026
- Tentative admission notification: 19th June 2026

Third period:

- Not guaranteed, only if seats available
- Tentative deadline: 30th June 2026
- Tentative admission notification: 7th July 2026



Check the specific website of each master to know about its admission criteria:

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

Admission

01

Depending on your application date, your application will be evaluated during either the first or the second admission period.

02

Evaluation outcome:

Accept, Reject, Postpone (1st round) or Waiting list (2nd round)

Postponed applications get their final decision during the second period.
Waiting list applications are contacted in order if drop outs happen.
Rejected applications are not accepted to follow that programme.

03

Accepted applications are contacted and informed about all relevant academic information as how to register, academic calendar, schedule of classes and exams, etc.

- All this information is already available at FIB Website.
- Before registration, you must pay €300€ (tax) to guarantee your place (later deduced from the registration cost).



Administrative and Academic Contacts

General

Information

✉ fib.info.masters@upc.edu

Specific Academic Questions

Òscar Romero

✉ vd.postgrau.fib@upc.edu

2025-2026 Prices

European Union resident Applicants

- MEI: 17,69 € / ECTS

Non-European Union resident Applicants

- MEI: 45 € / ECTS

Note:

Prices for 2026-2027 will be published in July. Once published, UPC list the prices here:

<https://www.upc.edu/en/masters/fees-grants>



FAQs

FAQ

If I'm finishing my undergraduate studies this year, can I apply to a master?

Yes, you can be admitted. You only need to complete your registration by September. In fact, even if you finalize your bachelor's thesis in October, you may still be eligible for admission to our master's programmes. Please contact us for further details.

FAQ

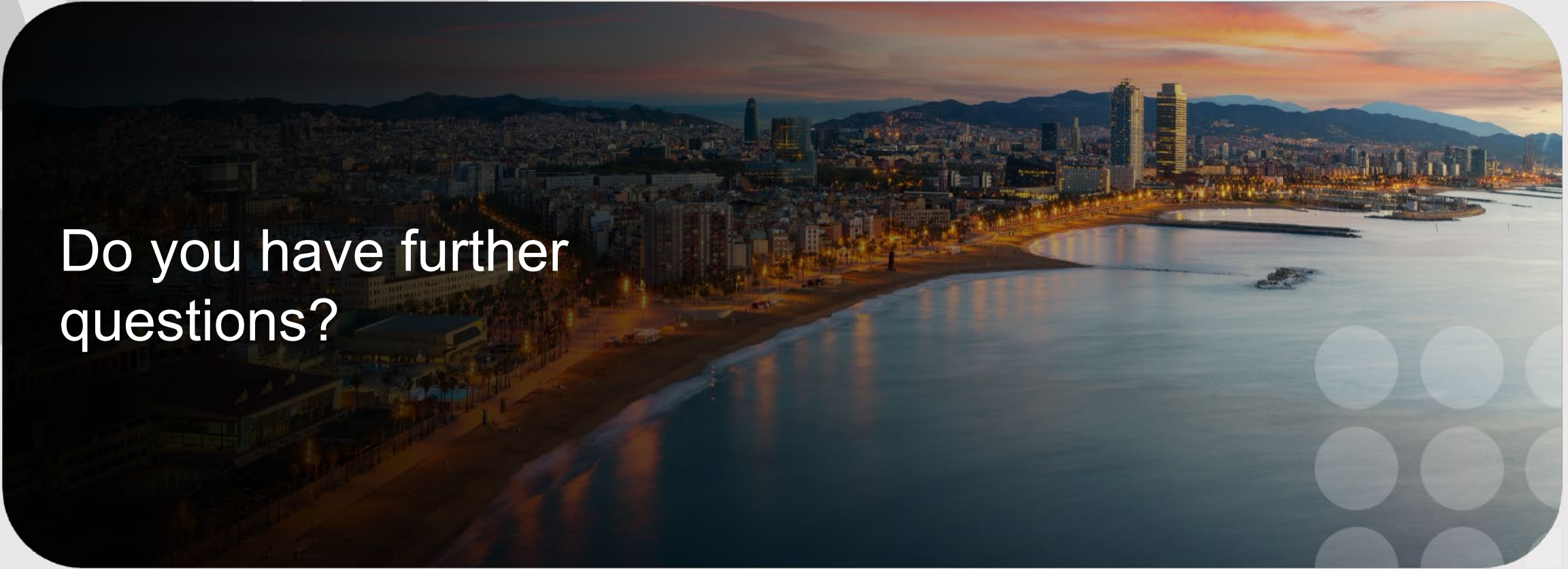
Can I work and study at the same time?

Yes, there are several opportunities to undertake curricular and extracurricular internships in companies, which may also allow you to earn elective ECTS credits (check the specific requirements per programme). Additionally, all our master's programmes can be pursued on a part-time basis.

FAQ

For new incoming students... what about enrolment?

Registration is completed online. If you are required to submit any documentation, you may do so at a later stage, provided it is submitted before the start of the lectures.

An aerial photograph of Barcelona, Spain, taken at sunset. The city's skyline is visible, with the sea in the foreground and mountains in the background. The sky is a mix of orange, yellow, and blue. The city lights are beginning to glow, reflecting on the water. The image is framed with rounded corners and has a dark overlay on the left side where the text is placed.

Do you have further
questions?

Do not hesitate to contact us at
fib.info.masters@upc.edu