



FIB MASTERS

Oscar Romero
Vice-dean of Postgraduate Studies

info.masters@fib.upc.edu

Index

- Facultat d'Informàtica de Barcelona
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- CCE: Internships
- Mobility and Internationalisation
- Grants and Aids
- Research and Innovation
- Services and Social Life
- FAQs

Index

- [Facultat d'Informàtica de Barcelona](#)
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- CCE: Internships
- Mobility and Internationalisation
- Grants and Aids
- Research and Innovation
- Services and Social Life
- FAQs

FIB:

Facultat d'Informàtica de Barcelona

Universitat Politècnica de Catalunya (UPC-BarcelonaTech)

About UPC

Universitat Politècnica de Catalunya (UPC-Barcelona**Tech**) is a public higher education and research institution that is specialised in the fields of architecture, science and engineering and one of the leading technical universities in Europe.

Every year, more than 6,000 bachelor's and master's students and more than 500 doctoral students graduate.

UPC values:

Social responsibility

Sustainability

Equal opportunities

Cooperation and solidarity



UPC Main Indicators

UPC Community

- 23,630 bachelor's students
- 5,039 master's degree students
- 2,038 doctoral degree students
- 2,929 lifelong learning students
- 3,459 teaching and research staff members
- 2,061 administrative and service staff
- 69,442 UPC alumni members
- 351 doctoral theses defended
- 2,448 graduates of master's degrees
- 3,476 graduates of bachelor's degrees

Knowledge

- 66 bachelor's degrees 2021-2022
- 81 master's programmes 2021-2022
- 45 doctoral programmes 2021-2022
- 265 continuing education programmes
- 25 patents
- 37 technology companies in which the UPC has a shareholding
- 159 scientific and technical awards received
- 2,273 articles published in scientific journals
- €55,077,585 turnover for R&D projects (2020)

UPC in the world

- 3,823 students participating in educational cooperation agreements with companies
- 13 company chairs
- 13 companies set up last year
- 2,456 companies and other entities that have signed collaboration agreements with the UPC
- 56 international double-degree agreements with 32 universities
- 1,430 students in international mobility programmes
- 787 UPC students (outgoing)
- 643 mobility students at the UPC (incoming)
- 45 development cooperation projects
- 15 international networks with the UPC as a member
- 4 UNESCO chairs

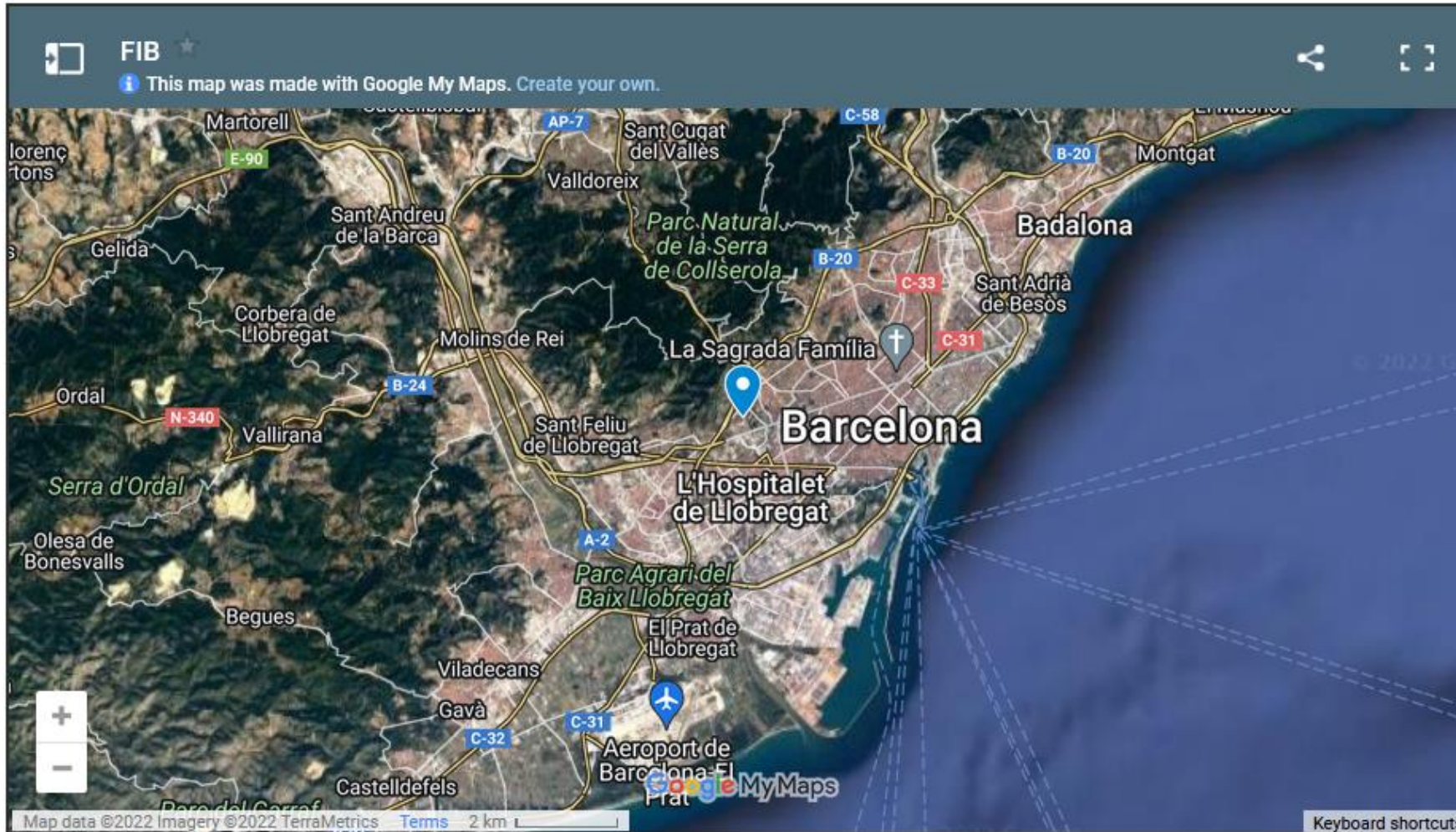
About FIB

The Facultat d'Informàtica de Barcelona (Barcelona School of Informatics) belongs to UPC and it is the reference centre for Informatics studies since its inception in 1976, and the beginning of the educational activities during 1977-1978.

Throughout these 40 years, the faculty has been in charge of the bachelor's degree, diploma courses, technical engineering and master degrees and currently the formal qualifications in the field of Computer Science and related subjects.



FIB: Where?



Address

B6 Building at Campus Nord
Jordi Girona street,1-3
08034 Barcelona

Contact

Email: Info.masters@fib.upc.edu

Web: <http://www.fib.upc.edu/>

Social Networking

<https://www.facebook.com/fib.upc>

https://twitter.com/fib_upc

<https://www.youtube.com/user/mediafib>

<https://www.instagram.com/fib.upc/>

FIB: Mission

- Provide education on **informatics engineering**
 - Promote the dissemination of information technologies to contribute to society improvements
 - Provide a strong background to our students that will be used throughout their professional life
- **Prioritizing lasting concepts**
- Promoting **effective working habits and team working**
- Stimulating their students' **ability of self-sufficiency**

FIB: Quality Indicators

Our masters are externally evaluated and certified with the maximum quality labels by international and national evaluation organisms

- FIB established the processes and mechanisms to implement Internal Quality Assurance System (IAQS). This accreditation process is carried out by quality agencies such as AQU/ENQA and allows supervising the performance of studies and informs the society about its quality.
 - MEI, MIRI and MAI obtained the maximum quality label **AQU-Excellence**
 - MDS started in September 2021 and has not been externally evaluated yet. Relevantly, MDS is the local counterpart of the BDMA Erasmus Mundus master which is certified by the European Education and Culture Executive Agency (EACEA) as an **excellence and reference programme**.
- What aspects do quality agencies highlight about our masters:
 - Programme learning outcomes
 - Teaching staff
 - Learning support services and resources

FIB: Why?

- It is one of the top 10 computer science schools in Europe. We have the resources, professors and experience to offer a wide range of high-value courses.
- It is a pioneering school at university-level in Informatics in Spain and has been spearheading Catalonia's progress in the field since 1977. Its contribution to society can clearly be seen in the number of top-quality professionals it has produced, who are required by organizations that seek to innovate and make progress.
- Excellence quality certified by external and independent quality agencies.

Opportunities

- Broaden your knowledge on the latest trends and technologies in informatics.
- Complete your education with a stay at a foreign university.
- Carry out your master's thesis or work placement at a company and get paid for it.
- Study in an international environment.
- Take a double master's degree with a foreign university.
- Collaborate with the many research centres and groups linked to FIB.
- Participate in sports, cultural, international cooperation and leisure activities organized by student associations.

FIB: Why?

- It is one of the top 10 computer science schools in Europe. We have the resources, professors and experience to offer a wide range of high-value courses.
- It is a pioneering school at university-level in Informatics in Spain and has been spearheading Catalonia's progress in the field since 1977. Its contribution to society can clearly be seen in the number of top-quality professionals it has produced, who are required by organizations that seek to innovate and make progress.
- Excellence quality certified by external and independent quality agencies.

Highly Skilled Professionals

- Professionals who are equipped to manage ICT projects, installations and organizations that comply with prevailing regulations and meet quality and environmental criteria.
- Entrepreneurs and researchers who are able to carry out projects in an international environment.
- Professionals who have the skills to implement ICTs in all types of companies and organizations.
- Professionals who can lead R&D departments and projects with a substantial research component.
- Graduate employment rate of practically 100% and salaries among the highest for university graduates.

FIB in Numbers

2521

Students

4

Bachelor's degrees

8

Master's degrees

530

Graduates 20-21

45

Years in existence

296

Teaching and research staff

14

Student associations

10170

Total graduates



Index

- Facultat d'Informàtica de Barcelona
- **FIB Masters**
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- CCE: Internships
- Mobility and Internationalisation
- Grants and Aids
- Research and Innovation
- Services and Social Life
- FAQs

FIB Masters: MEI, MIRI, MDS, MAI (plus MFPS, BDMA and EU4HPC)

Quick Summary

FIB Masters

- Master in Artificial Intelligence (MAI)
- Master in Informatics Engineering (MEI)
 - Master in Informatics Engineering – Industrial Modality
- Master in Innovation and Research in Informatics (MIRI)
 - Advanced Computing
 - Computer Graphics and Virtual Reality
 - Computer Networks and Distributed Systems
 - High-Performance Computing
- Master in Data Science (MDS)
- Màster per al Professorat de Secundària (MFPS)
- Erasmus Mundus Master in Big Data Management and Analytics (BDMA)
- EU Master in High Performance Computing (EU4HPC)

<https://www.fib.upc.edu/en/studies/masters/do-you-want-study-master-degree/masters-information-sessions>


How to Navigate the FIB Websites

- Overall view: <https://masters.fib.upc.edu/>
 - Video with this information session recorded
 - For each master
 - Video of the specific information session (only for MEI, MIRI, MDS)
 - Why this master
 - Curriculum
 - Employment opportunities
 - Admission
 - Faculty
 - International prestige
 - Grants
 - About Barcelona
- Specific details per master: <https://www.fib.upc.edu/en/studies/masters/>
 - Enrolment
 - Detailed curriculum / syllabus
 - Academic regulations
 - Timetables and Exams
- Administrative procedures: <https://www.fib.upc.edu/en/studies/academic-management>
- Academic calendars: <https://www.fib.upc.edu/en/studies/academic-management/academic-calendars>

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



The pre-enrolment is **open from 27 February to 26 May 2023**. Do you want to attend our **information sessions**? [Sign up for them!](#)

 [Check our grants opportunities](#)



General information sessions

All general sessions will include MEI, MIRI, MAI and MDS.

- Tuesday 21 March, 4 pm
- Friday 14 April, 12 pm
- Thursday 4 May, 4 pm
- Tuesday 23 May, 12 pm

Specific information sessions

All specified sessions will treat a specific master.

- MEI - Wednesday 19 April, 4 pm
- MDS - Tuesday 25 April, 4 pm
- MIRI - Friday 28 April, 4 pm

The sessions will be held in English, except for the specific MEI session, which will be in Catalan/Spanish.

MEI: Master in Informatics Engineering; **MIRI:** Master in Innovation and Research in Informatics; **MAI:** Master in Artificial Intelligence; **MDS:** Master in Data Science



Procedure

Interested in one of our masters? This is the procedure to follow

The admission process, step by step



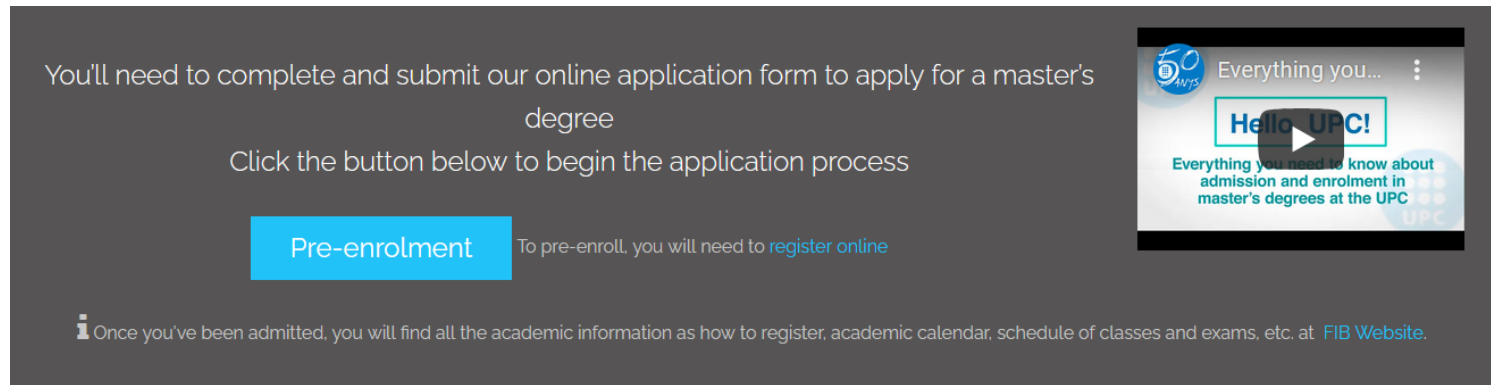
<https://www.upc.edu/en/masters/access-admission-enrolment>

Important Dates

- **Pre-enrolment**: From 27th February to 26th May 2023
- Two (three) **admission** periods:
 - First period:
 - Deadline to apply: 21st April 2023
 - Tentative admission notification: 28th April 2023
 - Second period:
 - Deadline to apply: 26th May 2023
 - Tentative admission notification: 2nd June 2023
 - *Third period*:
 - *Not guaranteed, only if seats available*
 - *Tentative deadline: 30th June*
 - *Tentative admission notification: 7th July*
- Check the specific website of each master to know about its **admission** criteria: masters.fib.upc.edu

Pre-enrolment

- Start the procedure from the masters.fib.upc.edu website. Look for your favourite master, scroll down and look for the **pre-enrolment** button as shown below



- To pre-enrol follow the instructions
 - Provide the required documentation to evaluate your admission
 - Pay 30,21€ (tax). **The button to pay the tax does not appear until all required data is introduced**

You can learn more about the pre-enrolment process here:
<https://www.upc.edu/en/masters/access-admission-enrolment/pre-enrolment>

Admission

- Depending on your pre-enrolment data your application will be evaluated within the first or second period.
- Evaluation outcome: **accept, reject, postpone (1st round) or waiting list (2nd round)**
 - First period:
 - Deadline to apply: 21st April 2023
 - Tentative admission notification: **28th April 2023 (accept, postpone, reject)**
 - Second period:
 - Deadline to apply: 26th May 2023
 - Tentative admission notification: **2nd June 2023 (accept, waiting list, reject)**
- **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 (this money is later deduced from the registration cost).
- **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 program.

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 anys – 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

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

MEI – Industrial Modality

It is the same as MEI (all information from previous slide holds), but a track thought for people working part-time at a company or conducting a CCE

- *Intensive training academic-professional,*
- *Focus on project management and team leadership*
- Students of this modality will achieve their studies in **2 years** with the following dedication:
 - 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
 - Around 5 hours/day dedicated to their formation and work in industry.

<https://masters.fib.upc.edu/masters/master-informatics-engineering-industrial-modality>

MEI Vs. MEI Industrial Modality

	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)

- 48 ECTS FIB
- 42 ECTS Industry (25/30h = 1 ECTS)

Total: 90 ECTS

MIRI: Master in Innovation and Research in Informatics

This master offers a strong and rigorous background in research and innovation in 4 fields of informatics:

- *Advanced Computing (AC),*
- *Computer Graphics and Virtual Reality (CGVR),*
- *Computer Networks and Distributed Systems (CNDS),*
- *High-Performance Computing (HPC).*
- Accreditations: EQUAINE, AQU-Excellence
- Language: English (B2)
- 120 ECTS: 2 years
 - 30 Common compulsory
 - 48 Specialisation (4 specialisations)
 - 12 Electives
 - 30 Master thesis
- 4 Specialisations:
 - AC: <https://masters.fib.upc.edu/masters/miri-advanced-computing>
 - CGVR: <https://masters.fib.upc.edu/masters/miri-computer-graphics-and-virtual-reality>
 - CNDS: <https://masters.fib.upc.edu/masters/miri-computer-networks-and-distributed-systems>
 - HPC: <https://masters.fib.upc.edu/masters/miri-high-performance-computing>
- Industrial Agreements – Curricular Internships, Professional Experience (elective ECTS)
- Complementary courses might be required



MDS: Master in Data Science



This master offers a unique interdisciplinary syllabus to unlock data value in a systematic, rigorous and scalable manner

- **Data Management:** data lifecycle (data flows, databases, systems; including Big Data scenarios)
- **Data Analytics:** data analysis and visualization (data mining and machine learning)
- Accreditations: Local implementation of the Erasmus Mundus Master in Big Data Management and Analytics (European reference programme in Data Science) – EACEA certified
- Language: English (B2)
- 120 ECTS: 2 years
 - 54 Compulsory
 - 36 Elective (among three blocks)
 - 30 Master thesis
- 3 main specialisation blocks:
 - Deep Dive in Specific Aspects of Data Science
 - Applications of Data Science for Specific Domains (e.g., Bioinformatics, Health, Transportation, etc.)
 - Innovation and Research
- Extracurricular Internships and Curricular Master Thesis internships
- No complementary courses considered

<https://masters.fib.upc.edu/masters/master-data-science>

MAI: Interuniversity Master in Artificial Intelligence

This master offers an integrative and cutting-edge approach to the field and its application to real scenarios

- Jointly offered with Universitat de Barcelona (UB) and Universitat Rovira i Virgili (URV)
 - Lectures in the three campuses (one day per week students must go to URV in Tarragona)
- Accreditations: AQU-Excellence, AQU-Internationalization
- Language: English (B2)
- 90 ECTS : 1.5 years
 - 30 Compulsory
 - 42 Elective (among the intensifications)
 - 18 Master thesis
- 7 intensifications (not chosen at admission time)
 - Data Science and Computational Intelligence;
 - Multi-Agent Systems; Human-Computer Interaction;
 - Hot Topics in AI and Professional Practice;
 - Knowledge Engineering and Machine learning;
 - Modeling, Reasoning and Problem Solving;
 - Vision, Perception and Robotics. Assistive Technologies
- Industrial Agreements – Curricular Internships, Professional Experience (elective ECTS)
- Complementary courses might be required

<https://masters.fib.upc.edu/masters/master-artificial-intelligence>



Other Masters: MFPS

- Màster per al professorat de Secundària
 - Language: Catalan / Spanish
 - Some courses are taught in Catalan and some in Spanish
 - Third Language required (B1)
 - Face-to-face modalities:
 - Tecnologia per a l'ESO i Batxillerat,
 - Tecnologies Industrials (Formació Professional)
 - Accreditations: AQU, *màster habilitant*
 - 60 ECTS: 1 year
 - Slow track: 29 ECTS first year and 31 ECTS second year
 - Practicum (practices in an institute)

<https://www.fib.upc.edu/ca/estudis/masters/master-en-formacio-del-professorat-deducacio-secundaria-obligatoria-i-batxillerat-formacio-professional-i-ensenyament>

Other Masters: MFPS

IMPORTANT:

Pre-registration: end of July to mid-September via the university access portal

<https://aplicacions.ensenyament.gencat.cat/pls/apex/f?p=2011014:19::NO::>

Ensenyaments que podeu impartir. Accés a la consulta per titulació.

Informació

Per conèixer els ensenyaments que podeu impartir heu d'incloure en el requadre de la dreta totes les titulacions (inclosos els màsters i altres titulacions de llengües) que teniu i prémer "Consulta" per visualitzar el cos i els ensenyaments.

- Alguns dels ensenyaments requereixen estar en possessió del màster de formació del professorat o equivalent. Aquesta informació la trobareu a la taula de resultats.
- Alguns dels ensenyaments requereixen haver superat una prova de capaciació (P.C.). Aquesta informació la trobareu a la taula de resultats.

[Veure llista de titulacions que proporcionen el màster de formació del professorat o equivalent.](#)
[Veure prova de capaciació per especialitat.](#)

Cercador

Cerca la titulació (per la descripció):

(19885) 180 crèdits estudis de pedag. o psicopedag.(equivalent Màster formac. de profes. sec

(77025) 200 crèdits estudis de conserv. i restaur. de béns culturals: pintura

(77021) 200 crèdits estudis de conserv. i restaur. de béns culturals: tèxtils

(77020) 200 crèdits estudis de conserv. i restaur. de béns culturals: arqueologia

(77022) 200 crèdits estudis de conserv. i restaur. de béns culturals: escultura

(77023) 200 crèdits estudis de conserv. i restaur. de béns culturals: document gràfic

(17912) Abonament matrícula o cert. d'estar cursant certificat Form.Pedag.Didact. (FP)

(17808) Abonament matrícula o cert. de cursar Màster de form. professor d'ens. secundària

(17915) Abonament matrícula o certificat de cursar Màster de Psicopedagogia

(12150) Ajutant Tècnic Sanitari

<

>>

>

<

<<

(G2600) Grau d'Enginyeria (en) informàtica

Ensenyaments que podeu impartir

Cos ↑↓	Ensenyament	Màster	P.C.
590 Professors d'ensenyament secundari	507 Informàtica	Si	Exempt
	TEC Tecnologia	Si	No
591 Professors tècnics d'F.P.	627 Sistemes i aplicacions informàtiques	Si	Exempt
595 Professors d'escoles d'arts plàstiques i disseny	722 Mitjans informàtics	No	Si

Information sessions: Usually, July and September

Other Masters: BDMA

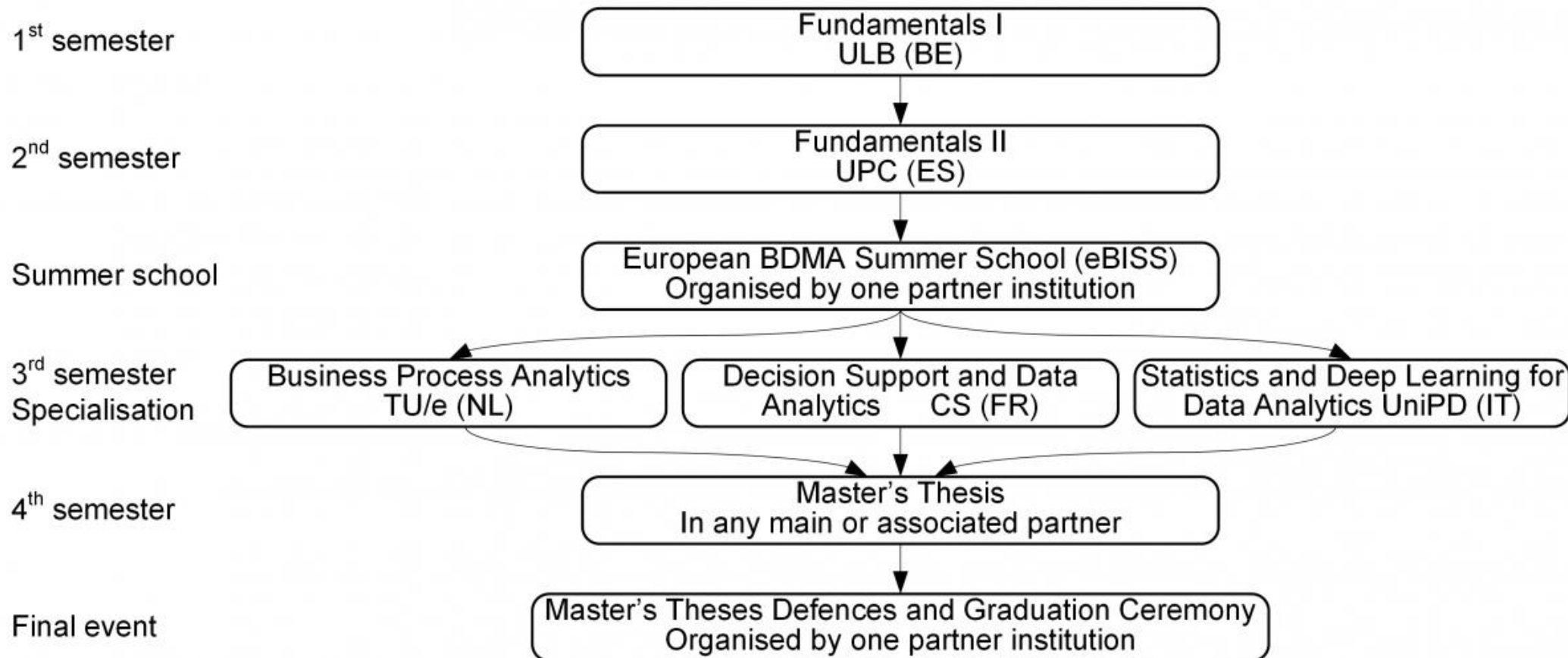
- Erasmus Mundus in Big Data Management and Analytics (BDMA)
- Coordinated by Université Libre de Bruxelles and 4 additional European Universities: UPC, Università di Padova, Technical University of Eindhoven and Paris-Saclay - CentraleSupélec
- Accreditations: EACEA flagship master in Big Data and Data Science
 - EACEA grants (very competitive): September to mid December
 - Self-funded period: from March to June
- 120 ECTS: 2 years
 - 60 compulsory
 - 30 specialisation (business process analytics, decision support and data analytics and statistics and deep learning for data analytics)
 - 30 Master thesis

<https://bdma.ulb.ac.be/>

Other Masters: BDMA

Apply at:

<https://cs.ulb.ac.be/emundus/>



Other Masters: EU4HPC

- European Master for High Performance Computing
- Coordinated by Université du Luxembourg and 7 additional European Universities: UPC, Politecnico de Milano, Friedrich-Alexander Universität Erlangen-Nürnberg, Sorbonne Université, Sofia University, Università della Svizzera Italiana, Kungliga Tekniska Högskolan
- Implemented as dual degree
- Consortium grants: fee waiving (for eligible students) + mobility scholarship
- Accreditations: H2020 Framework Programme (EuroHPC)
- Application period
 - 3rd Period: 3rd March to **14th April 2023**
 - 4th Period: 17th April to 31st May 2023(more periods to follow, but you also must bear in mind the enrollment deadlines of the universities)
- 120 ECTS: 2 years
 - 12 months fundamental courses
 - 6 months specialization
 - 6 months internship
 - Mandatory summer schoolMobility scheme among partners according to academic paths identified

<https://eumaster4hpc.uni.lu/>

Administrative and Academic Contacts

- General:
 - Information: info.masters@fib.upc.edu
 - Specific academic questions:
 - MAI: Ulises Cortés (ia@cs.upc.edu)
 - MEI, BDMA, MDS: Òscar Romero (vd.postgrau@fib.upc.edu)
 - MIRI-AC: Jordi Petit (jpetit@cs.upc.edu)
 - MIRI-CGVR: Nuria Pelechano (npelechano@cs.upc.edu)
 - MIRI-CNDS: José M. Barceló (joseb@ac.upc.edu)
 - MIRI-HPC, EU4HPC: Josep Llosa (josepll@ac.upc.edu)
 - MFPS: Josep Fernandez (director.master.secundaria.fib@upc.edu)

Index

- Facultat d'Informàtica de Barcelona
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- **Prices**
- CCE: Internships
- Mobility and Internationalisation
- Grants and Aids
- Research and Innovation
- Services and Social Life
- FAQs

Prices

Prices 2022/23 for European Union applicants

- MEI: 18,46€ / ECTS
- MIRI, MDS, MAI, EU4HPC: 27,67€ / ECTS
- BDMA: 75€ / ECTS (*price for programme* countries*)

*Programme countries: EU countries plus Turkey, the former Yugoslav Republic of Macedonia (FYROM), Iceland, Liechtenstein, Serbia and Norway

Prices 2022/23 for Non-European Union applicants

- MEI: 43,23€ / ECTS
- MIRI, MDS, MAI, EU4HPC: 69,17€ / ECTS
- BDMA: 150€ / ECTS

Note: prices for 2023/2024 will be published in July. Once published, UPC list the prices here:
<https://www.upc.edu/en/masters/fees-grants>

- *Perspectives to be reduced up to 17,69€ / ECTS for European Union applicants at mid-term*

Index

- Facultat d'Informàtica de Barcelona
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- **CCE: Internships**
- Mobility and Internationalisation
- Grants and Aids
- Research and Innovation
- Services and Social Life
- FAQs

Internships

- *Convenis de col·laboració universitat – empresa (CCE):*
<https://www.fib.upc.edu/en/companies/industrial-practices>

Industrial Practices

Home » Companies » Industrial Practices

Industrial Practices ▼

Offers list

Posting offers

Job Placements ►

FIB Visiona

Sponsorship ►



Information for companies



Information for students



Regulations

Internships for students become a training activity under the supervision of the Faculty, the goal of which is to apply and complete the academic formation acquired, encouraging the professional skills that prepare for professional activities which facilitate the employment of them.

The framework of these activities is called educational cooperation agreements, regulated by [Royal Decree 592/2014](#) which regulates the external academic practices of college students.

Internships

CCE can be established with companies having an Industrial Agreement with FIB

- Extracurricular Practices:
 - NO Elective credits
 - MDS only accepts this type of practices (except for the Master Thesis: modality B or D)
- Curricular Practices:
 - Elective ECTS (6 minimum, 12 maximum) [+ Master Thesis ECTS]
 - 30 hours → 1 ECTS
 - Master Thesis (Modality B or D) – all masters
- 900 hours per year
 - Maximum: 900 hours for MAI and MEI (90 ECTS master)
 - Maximum: 1200 hours for MIRI and MDS (120 ECTS master)

Professional Experience as elective ECTS (work contract):

- Previous or during the master
- 1600 hours per 6 credit
 - Then, proportional

Index

- Facultat d'Informàtica de Barcelona
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- CCE: Internships
- **Mobility and Internationalisation**
- Grants and Aids
- Research and Innovation
- Services and Social Life
- FAQs

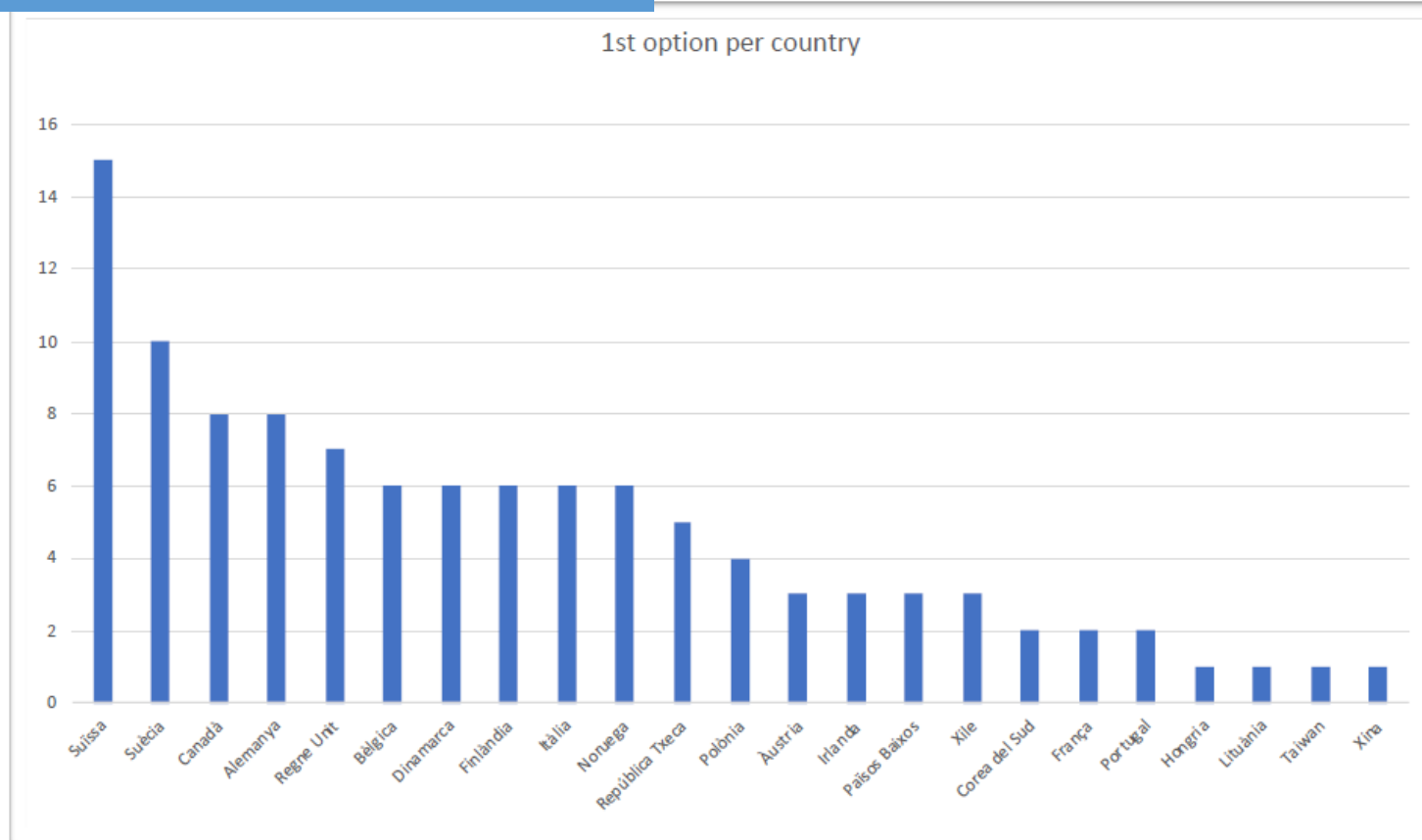
Mobility and Internationalisation

Plenty of options! **202 universities in 42 countries**

- Study abroad (one or two semesters)
 - Conditions (max ECTS): MIRI (12+18+30), MEI (30), MDS (30+30), MAI (12+18)
 - Mobility programs (many with scholarships)
 - CERN
 - Erasmus+
 - UNITECH
 - Latin America, USA and Canada
 - National Institute of Informatics (NII) Tokyo and Vulcanus in Japan
 - China
- 5 Double degrees
- Internship abroad
 - Ever-open calls: Erasmus+, IAESTE, AIESEC, EntryPark
 - Academic institutions
 - Industry
- Other activities (summer schools, short stays...)

Mobility and Internationalisation

Mobility in February 2023: 109 outgoing students



Mobility and Internationalisation

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

Mobility

[Home](#) » [Mobility](#)

MOVING

Knowing a new university, discovering a new country or improving your language skills are some of the advantages of the mobility programs offered by FIB.

Personal experiences that will allow you to stay in foreign universities and intern at businesses worldwide.



Incoming



Outgoing



Double degrees



International Partnerships

Mobility and Internationalisation

- Mobility calendar: <https://www.fib.upc.edu/en/mobility/outgoing/mobility-calendar>

Mobility Calendar

Home » Mobility » Outgoing » Mobility Calendar

Mobility Calendar	Calls	Periods
Information Sessions	✓ Google Summer of Code	20 Mar 23 - 04 Apr 23
Mobility experiences	✗ Place application for foreign universities: Erasmus+, Latin America, Russia, Taiwan, China and double degrees	17 Feb 23 - 01 Mar 23
Study abroad ▶	✗ Application for a place at Spanish universities in the SICUE programme	13 Feb 23 - 27 Feb 23
Internship abroad	✗ IWeek a Paris	02 Jan 23 - 15 Feb 23
Other activities abroad	✗ Application for mobility in the US	01 Dec 22 - 24 Jan 23
	✗ Vulcanus programme	04 Nov 22 - 13 Jan 23
	✗ Application for the National Institute of Informatics (NII) in Tokyo - 2nd call	23 Sep 22 - 14 Oct 22
	✗ Place application for foreign universities: programa Erasmus+, Latin America, CINDA, Canada, Russia, Taiwan and China (2nd call)	13 Sep 22 - 18 Sep 22
	✗ Application for the National Institute of Informatics (NII) in Tokyo - 1st call	25 Apr 22 - 18 May 22
	✗ Application for a mobility place with the programme UNITECH	17 Dec 21 - 18 Jan 22

Opened ✓ To be open ! Closed ✗

Mobility and Internationalisation

- Information Sessions: <https://www.fib.upc.edu/en/mobility/outgoing/information-sessions>

Mobility information session 2022-2023

For mobility stays during the academic
year 2023-2024

1st semester

Wednesday, 16 November 2022

In this first session we will inform on the various mobility programs, but we will focus on those whose call is in December-January and on the stays at US universities. Information sessions will be recorded.
Place: Sala d'actes Manuel Martí Recober

- Morning session: **12:15 pm**

2nd semester

Wednesday, 15 February 2023

In this second session we will inform on the various mobility programs, but we will focus on Erasmus+, SICUE and double degree calls. Information sessions will be recorded.
Place: Sala Àgora

- Morning session: **12:15 pm**
- Afternoon session: **15:00 pm**

Still have doubts?
Contact us at:
rel.int@fib.upc.edu



Index

- Facultat d'Informàtica de Barcelona
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- CCE: Internships
- Mobility and Internationalisation
- **Grants and Aids**
- Research and Innovation
- Services and Social Life
- FAQs

Grants and Aids

- Find all details at: <https://masters.fib.upc.edu/grants-and-financial-aid>

General information

There are multiple ways to fund your studies at the **Universitat Politècnica de Catalunya** - BarcelonaTech (UPC). Grants, scholarships, mobility grants and loans are offered by the University and other bodies.

[Complete information about grants and financial aid at the UPC.](#)

Below you will find information on specific scholarships and grants that you can apply for at the FIB. **It is necessary to have applied for admission in the corresponding Master to qualify for any of them.**

Grants

"Nacho Navarro" grants (2022-2023)	▼
NTT DATA (2022-2023)	▼
Seidor grants (2022-2023)	▼
FIB Visiona - FIB grants (MEI, MIRI and MAI) - 2020-2021	▼
Fundació Catalunya-La Pedrera (MIRI)	▼
Fundació Catalunya-La Pedrera (MAI)	▼
Accenture - Barcelona Digital Talent grants (2021-2022)	▼

Scholarships

ARCO Scholarships for MIRI Students	▼
CBA scholarships in AI for networking for MIRI Students	▼
inLab FIB	▼
NaNoNetworking Center in Catalunya (N³Cat) scholarship for MIRI students	▼

Own Grants

- FIB participates in several consortiums and has strong links with foundations / companies who provide financial aid to our students:
 - Masters BDMA (joint degree equivalent to a triple degree)
 - Master EU4HPC (dual degree)
 - NTT Data
 - Seidor
 - Adevinta
 - Nacho Navarro
 - FIB Visiona
 - Fundació Massó
 - ...

Index

- Facultat d'Informàtica de Barcelona
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- CCE: Internships
- Mobility and Internationalisation
- Grants and Aids
- **Research and Innovation**
- Services and Social Life
- FAQs

Research and Innovation

- UPC, and FIB specifically, is a leading research institution
 - Top university obtaining H2020 projects: <https://www.upc.edu/en/press-room/news/the-upc-is-still-the-top-spanish-university-in-obtaining-funds-from-the-h2020-programme>
 - Start-ups, spin-offs, innovation and technology transfer: <https://www.upc.edu/en/r-d-i/innovation>
 - UPC's centre for Development Cooperation: <https://www.upc.edu/ccd/en>
- Complement your time during the masters with added-value tasks!
- 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 groups
 - Have strong networks with researchers all over the world
 - You may want to do research under international mobility
- Formalise your research experience with **research grants** or **CCE agreements**
- Areas covered by our research groups:
 - 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)

Research Groups (<https://futur.upc.edu/>)

Mathematics

- MD: Discrete Mathematics
- DCCG: Computational Geometry and Combinatorial Geometry
- TN: Numbers Theory
- GRTJ: Game Theory
- GRAA: Applied Analysis
- GREC: Knowledge Engineering (with ESAll)
- MMAC: Mathematical Models Applied to Social and Natural Sciences

Business Administration

- EOLI: Industrial Engineering and Logistics
- GREDIC: Innovation and Knowledge Economy
- LEAN MRG: Lean Management
- CERpIE: Research & Development Centre for Enterprises' Improvement and Innovation

Services and Information System Engineering

- inSSIDE: integrated Software, Services, Information and Data Engineering
- MPI: Modelling and Processing Information
- DTIM: Database Technologies and Information Management

Systems Engineering, Automatic Control and Industrial Informatics

- ACES: Advanced Control of Energy Systems
- ACP: Automation and Process Control
- GREC: Knowledge Engineering (with MAll)
- GRINS: Intelligent Robotics and Systems
- NOLIN: Nonlinear Physics and Unbalanced Systems
- SAC: Advanced Control Systems
- SISBIO: Biomedical Signals and Systems
- VIS: Artificial Vision and Intelligent Systems

Research Groups

Computer Architecture

- ANA: Advanced Network Architectures
- ARCO: Architectures and Compilers
- CAP: High Performance Computing
- CBA: Broadband Communications Systems
- CNDS: Computer Networks and Distributed Systems
- DAMA: Data Management
- DMAG: Distributed Multimedia Applications

Physics and Nuclear Engineering

- CS-SIMBIO: Complex Systems - Computer Simulation of Materials and Biological System
- DILAB: Dielectric Material Physics Laboratory
- DONLL: Nonlinear Dynamics, Nonlinear Optics and Lasers
- GAA: Astronomy & Astrophysics
- GCM: Characterization of Materials
- GIEP: Innovative Education in Physics
- GREENER: Studies in Energy and Radiation
- NERG: Nuclear Engineering
- SIMCON: Computer Simulation in Condensed Matter
- GRPFM: Physical Properties of the Materials

Computer Science

- ALBCOM: Algorithms, Biocomputing, Complexity and Formal Methods
- GIE: Engineering Computing
- GRPLN: Natural Language Processing
- KEMLG: Knowledge Engineering and Machine Learning (with EIO)
- LARCA: Relational Algorithms, Complexity and Learning
- LOGPROG: Logic and Programming
- MOVING: Modelling, Visualization, Interaction and Virtual Reality
- SOCO: Soft Computing
- STH: Sustainability, Technology and Humanities

Statistics and Operational Research

- LAIRE: Laboratory of Aeronautical and Industrial Research and Studies
- GRESA: Applied Statistics
- LIAM: Laboratory of Information Analysis and Modelling
- KEMLG: Knowledge Engineering and Machine Learning (with LSI)
- GRASS: Survival Analysis Statistics
- GREMA: Mathematical Statistics and its Applications
- GNOM: Numerical Optimization and Modelling
- PROMALS: Mathematical Programming, Logistics and Simulation

Index

- Facultat d'Informàtica de Barcelona
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- CCE: Internships
- Mobility and Internationalisation
- Grants and Aids
- Research and Innovation
- **Services and Social Life**
- FAQs

Services

- Equal opportunities: <https://igualtat.upc.edu/>
 - Bullying
 - Gender equality
 - Transgender community
- Inclusion: <https://inclusio.upc.edu/>
 - Learning needs
 - Teaching support
 - Psychologic orientation
- Solidarity and cooperation: <https://ccd.upc.edu/>
- Learning languages: <https://www.upc.edu/slt/en/reception/languages-upc>
- Cultural reception: <https://www.upc.edu/slt/en/reception>
- Libraries
- Sports Club
- UPCArts

<https://www.upc.edu/en/university-life-and-services>

Social Life

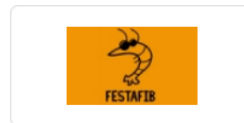
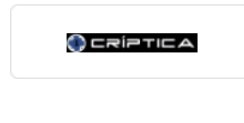
- FIB promotes social activities: <https://www.fib.upc.edu/en/fib/university-life>



Implica't



Viu la FIB



Events

#bitsx
laMarató

Eleventh European Big Data Management & Analytics Summer School (eBISS 2023)
July 3 - July 7, 2023 Barcelona, Spain

HACKATHON

PER LA SALUT CARDIOVASCULAR

16-17-18 desembre 2022

#bits

Fes e

Am



WOMEN IN DATA SCIENCE
BARCELONA

Sala d'actes de la FIB
20 d'abril de 2022, 9:30-14:30

LENDARI

QUÈ ÉS?

QUI SOM?

INSCRIU-TE

ÀREA PRIVADA



Top Rosies Talent

The Women in Data Science (WiDS) is a community of women in data science, regardless of gender, and to be held at Stanford in November 2015. It is now a year-round event organized by WiDS ambassadors.

When? 20 abril 2022 de 9:30-14:30

Where? Sala d'actes Manuel Martí Recober,

Address? Edifici B6, pta baixa, Campus Nord de la Universitat de Barcelona

REpte 2023 Design Thinking

COM T'IMAGINES L'EXPERIÈNCIA DE CONDUIR UN CUPRA EN 5 ANYS?
Cerquem la IDEJA que revolucioni l'experiència de conducció de CUPRA, així com el model de negoci.

INSCRIU-TE AL REpte



ADVANCED
FACTORIES
EXPO & CONGRESS

A new age in
automation technology

18-20 abril 2023 | Fira de Barcelona

www.advancedfactories.com



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH
Facultat d'Informàtica de Barcelona



Index

- Facultat d'Informàtica de Barcelona
- FIB Masters
 - MEI
 - MIRI
 - MDS
 - MAI
 - Other masters: MFPS, BDMA and EU4HPC
- Prices
- CCE: Internships
- Mobility and Internationalisation
- Grants and Aids
- Research and Innovation
- Social Life
- **FAQs**

FAQs

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

Of course! You can be admitted. You only need to finish on time your registration in September. Indeed, if you finalize your bachelor thesis in October you can yet be admitted in our masters. Contact us for more details.

- **Can I work and study at the same time?**

Of course! there are several opportunities to do extracurricular practices in companies that, in turn, may help you to obtain elective ECTS for some of our masters.

- **What about next academic course and covid-19?**

Our objective are 100% face-to-face lectures. If not possible due to public health recommendations, we will maximise face-to-face / hybrid lectures.

- **For new incoming students... what about enrolment?**

Registration is online. If you require to hand in some documentation you can do it later, before the lectures start



FIB MASTERS

Do you have further questions?
Do not hesitate to contact us at
info.masters@fib.upc.edu