

# Mobility Academic Year 2023/24

Anna Rio Vice-dean for International Relations

16-11-2022







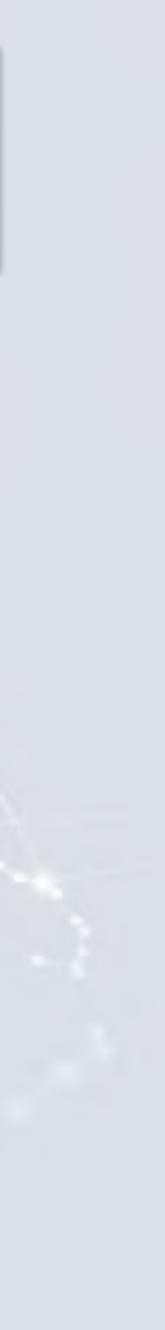


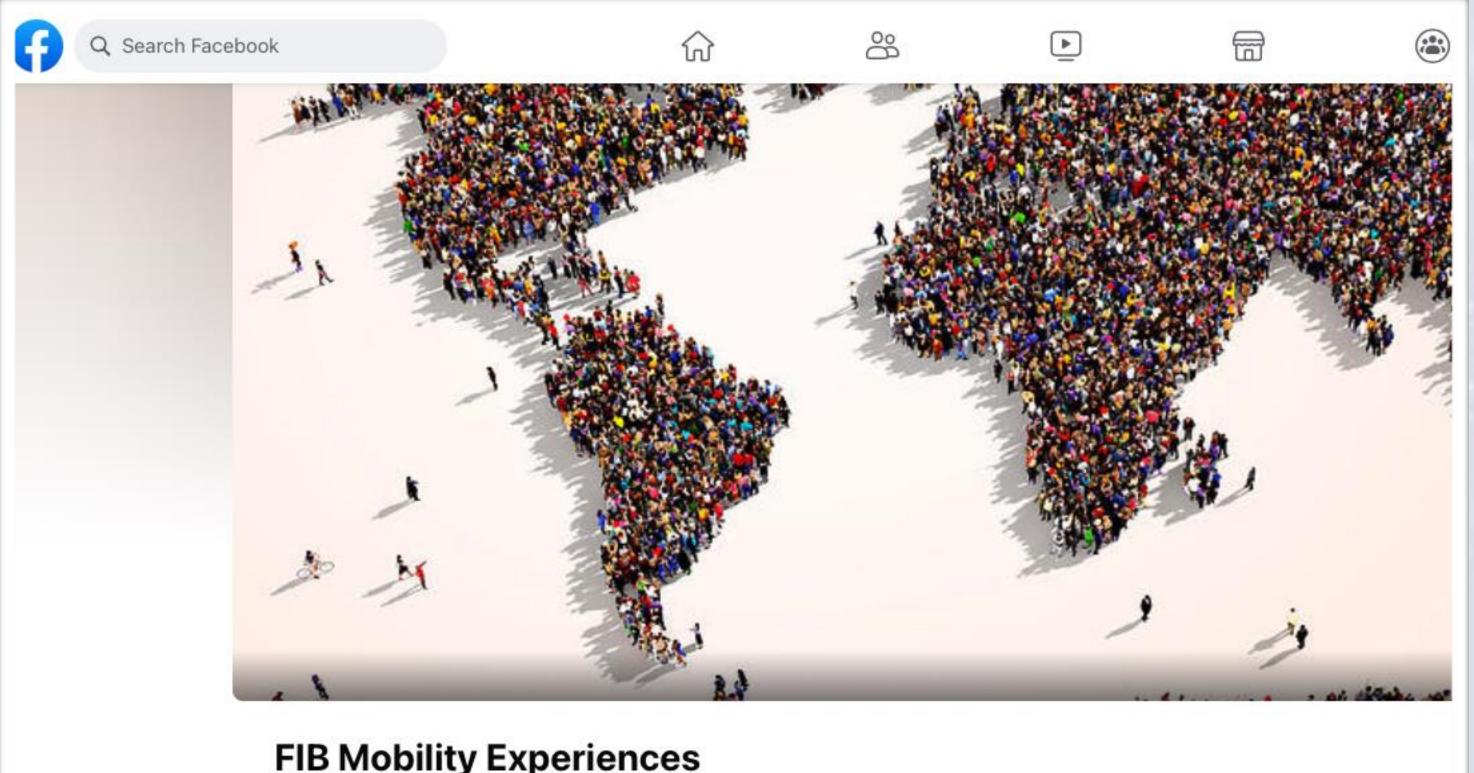
- Acquire new knlowledge
- Improve your CV
- Improve competencies in a third lenguage
- Get to know other cultures, lifestyles and people
- Gain personal experience
- Gain working experience or well-valued experiences at work



# Motivation







#### **FIB Mobility Experiences**

O Públic group · 58 members

### https://www.fib.upc.edu/en/mobility/outgoing

# Motivation



- Latin America
- Asia
- Mediterranean Europe
- Northern Europe
- Central Europe
- North America



#### Mobility experiences

Check the experiences of previous mobility students.

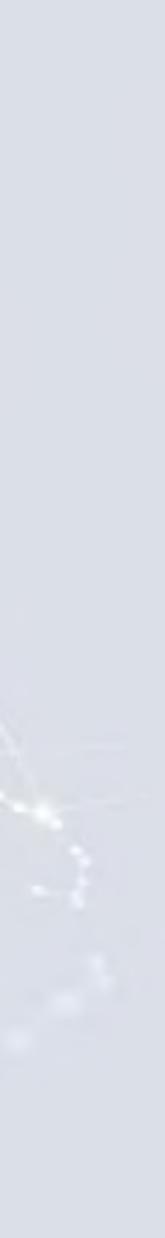


- GEI GCED MEI MIRI MAI (MDS)
- Some mobilites (double degrees) are specific for every degree.
- All the compulsory subjects must be passed before leaving
- (except TAED2 for GCED and mobility Q1)
- It is NOT allowed to take distance subject while taking a mobility programme.

## Requirements



Some agreements require minimum grades, good academic performance.



# Requirements what

- Double degrees: Subject plan to course at home and reciving. Could be paid at receiving institution
- Internship stays: TRAINSHIP AGREEMENT
- Academic stays: Technical subjects can be taken, not necessarily similar to the ones in FIB They are arranged in a LEARNING AGREEMENT with the faculty before leaving.
  - Credits must be paid and enrolled at FIB.

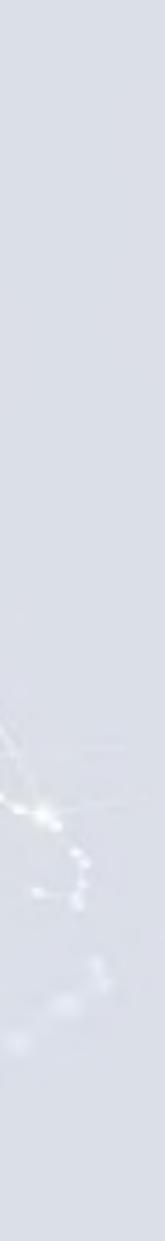
De

Μ

- Limits (including TFG/TFM)
- M



egrees	60 ECTS	4 <sup>th</sup>
lasters 120 ECTS	60 ECTS	2 <sup>nd</sup>
lasters 90 ECTS	30 ECTS	2 <sup>nd</sup>



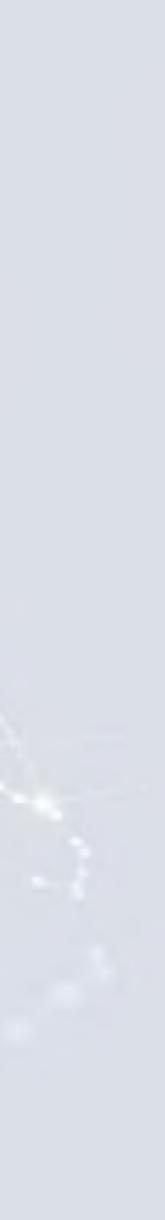
# Recognition

### • YES

- Elective credits
- Specialization complementary credits
- TFG-TFM
- Internships
- GEI-GCED: Until 3 ECTS for each mobility semester and depending on the academic performance



- NO
  - Subjects already coursed in FIB
  - Language and cultural courses
  - Subjects that do not appear in the LEARNING AGREEMENT





UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH Facultat d'Informàtica de Barcelona



Studies Mobility Research

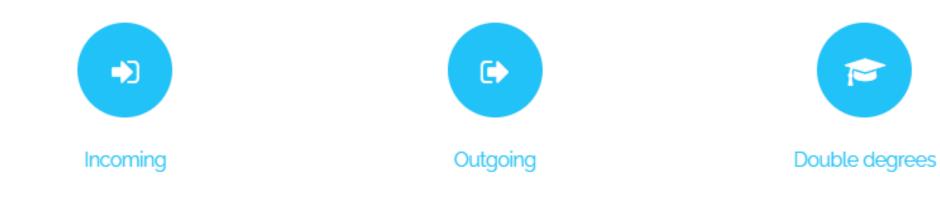
#### Mobility

Home » Mobility



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.





# Procedure



Q The FIB Companies



International Partnerships

### **News Channel**

	Ν.
UPC	/

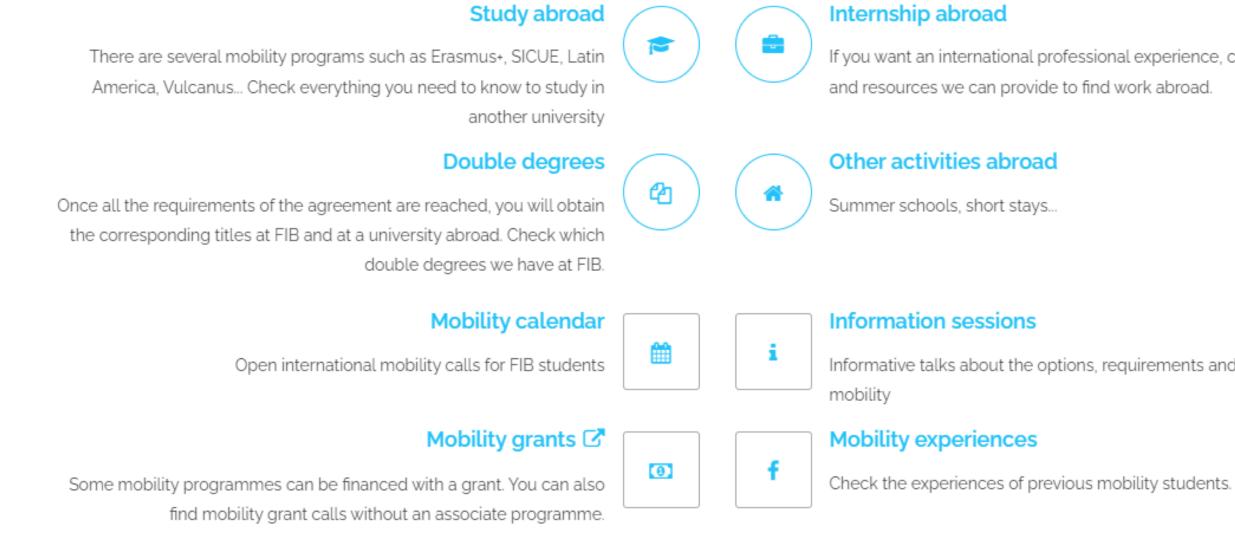
UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH Facultat d'Informàtica de Barcelona

✓ Vulcanus programme

FIB



The Facultat d'Informàtica de Barcelona has established several agreements with universities and institutions from all around the globe. They allow students to study at a foreign university, do their degree's final thesis or carry out a double degree.



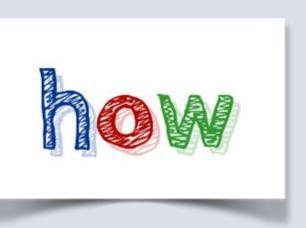
#### Upcoming International Mobility Calls for FIB's students

🛗 04 Nov 22 - 13 Jan 23 🏥 18 Feb 23 - 02 Mar 23

Place application for foreign universities: Erasmus+, Latin America, Russia, Taiwan, China and double degrees

Show all mobility calls

## Procedure



#### Q The FIB Companies

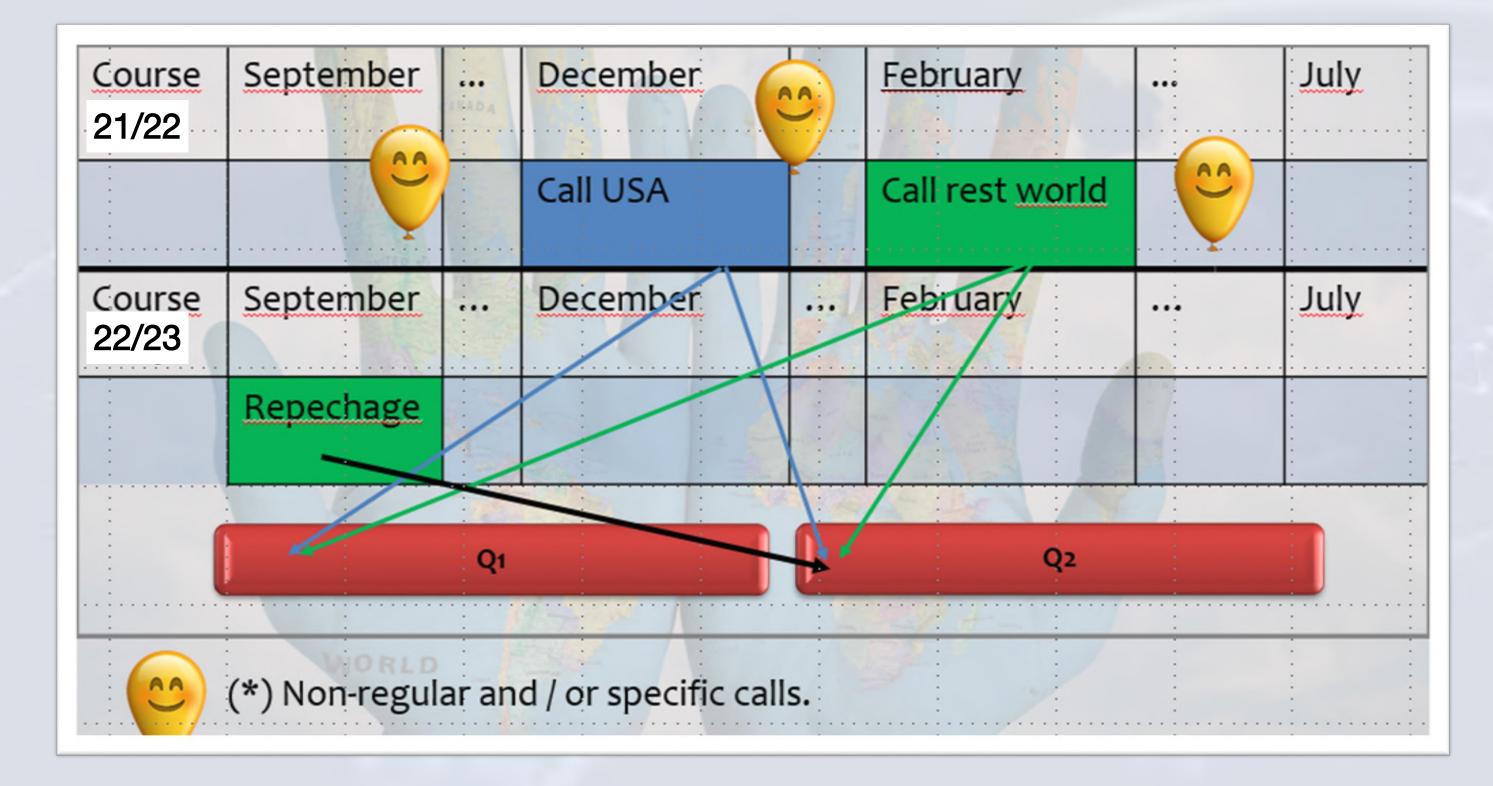
If you want an international professional experience, check the websites

Informative talks about the options, requirements and procedures in

## Outgoing

Mobility Calendar

# Temporary plan



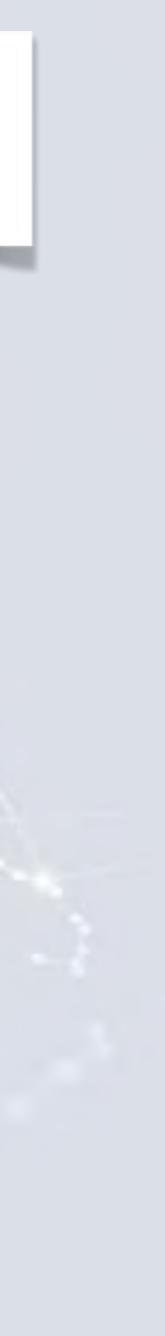
https://www.fib.upc.edu/en/mobility/outgoing/mobility-calendar



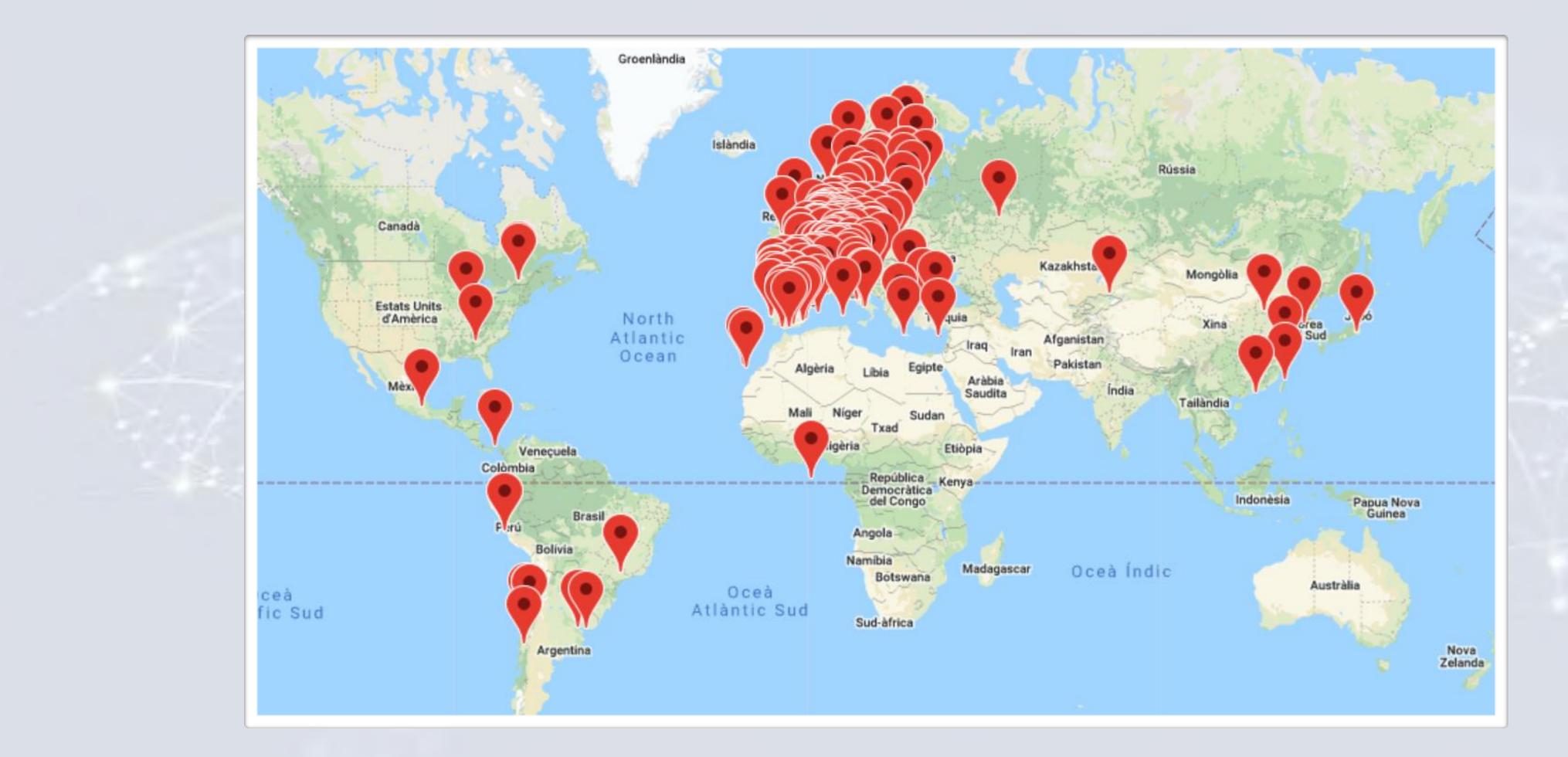
**Open: Vulcanus** 

Soon: USA

February: Erasmus and others



# Choose Destination



https://www.fib.upc.edu/en/mobility/international-partnerships/partner-universities





## **ACADEMIC STAY: EXCHANGE**











### • MEI-MAI

### ESCUELA DE POSGRADO. PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ

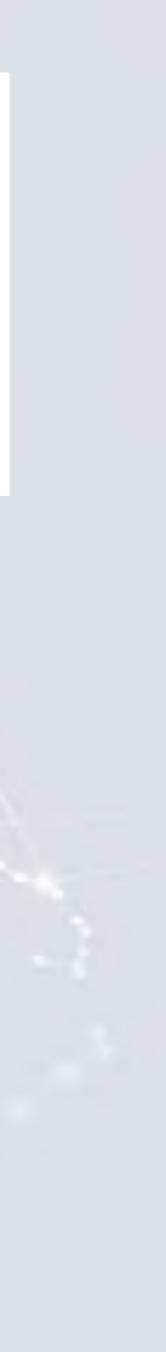
• MIRI

### POLITECNICO DE TORINO





#### Double degrees





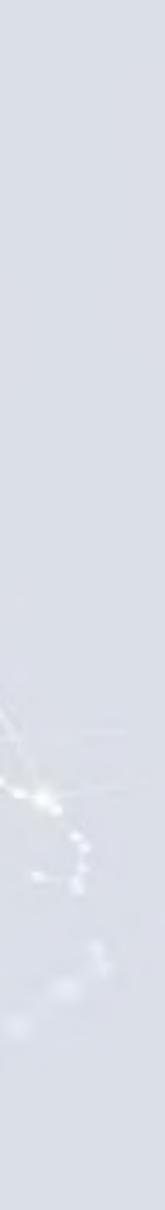
https://www.fib.upc.edu/en/mobility/double-degrees/escuela-de-posgrado-de-la-pontificia-universidad-catolica-de-peru-pucp

2 semesters at PUCP (24 cr = 60 ECTS)

Master in Informatics Engineering, mention in Computer Science (PUCP) + Master MEI or MAI (FIB)

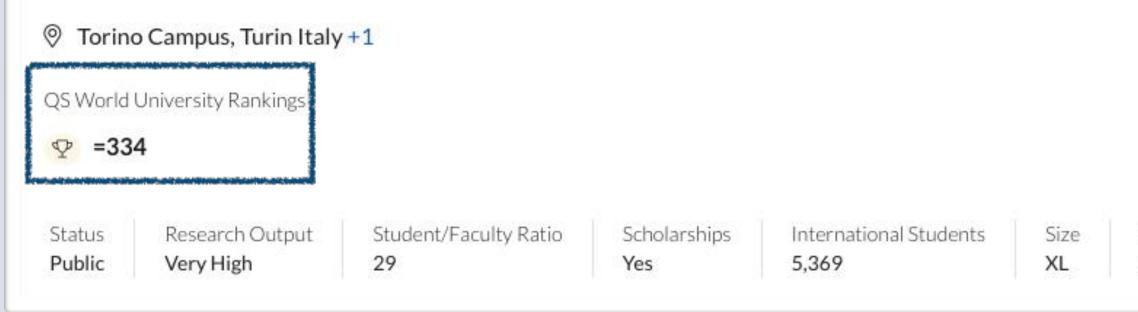
All of compulsory credits must be approved.

**Payment at PUCP** 





#### Politecnico di Torino 🗹



#### https://www.fib.upc.edu/en/mobility/double-degrees/politecnico-di-torino-polito

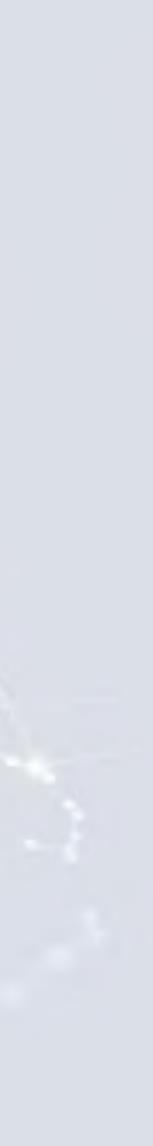
Without specialization or High Performance Computing

2 semesters at PoliTo (60 ECTS)

Master of Science Degree in Computer Engineering (PoliTo) + Master MIRI (FIB)

60 ECTS must be passed.

Total Faculty 1,050 Payment at FIB



### MIRI Euro Master for HPC

ISIMA - MEI



THE SCHOOL EDUCATION INTERNATIONAL



Padova- MDS



Education





**European Master** 

For High Performance Computing

Public Engineering School in Computer Science

COMPANY RELATIONS

RESEARCH STUDENT LIFE Francais

🔤 English

👕 Intranet

F6 International option – ISIMA Master Double Degree in Computer Science

F6 International option – ISIMA Master Double Degree in Computer Science

The specialised course in "Informatics for healthcare," over 3 years, leads to the nationally recognised diploma of engineer. It can be attained through either initial education or as an apprenticeship.







#### International Partnerships



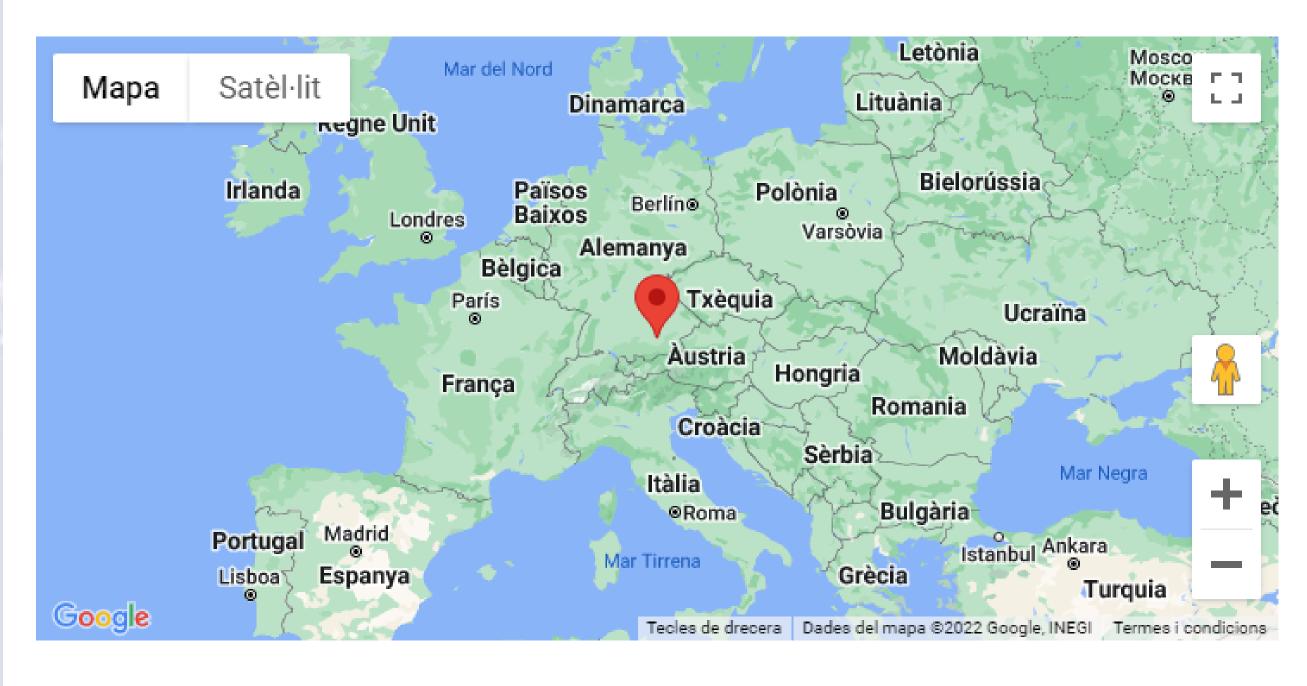
exhaustive research: or exchange students'). Look for an appropriate studies curriculum. Subjects taught in English. Required Language Certificate. 0

- Choosing correctly demands a lot of time and an
  - Visit the websites of the universities ('search: incoming How to apply? (Required documentation, deadlines ...)



#### Technische Universität München

Home » Mobility » International Partnerships » Partner universities » Technische Universität München

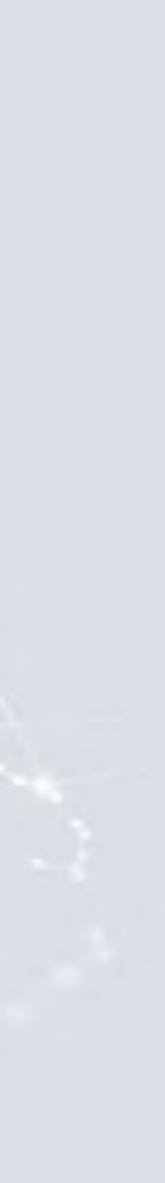


University	Technische Universität München
Center	Fakultät für Informatik - Department of Informatics
Country	Germany
Web	https://www.international.tum.de/en/exchangestudents/general-inform
international-stud	lents/C
Documentation	Descarregar PDF

ät München

#### Web page PDF FactSheet with information

ormation-for-



#### Latin America

Both UPC and FIB have signed different agreements with universities in Latin America (see the list of partner universities at the bottom). In addition, the UPC is part of the CINDA network (Centro Interuniversitario de Desarrollo), which enables to extend the range of possibilities to do a mobility in a country in Latin America.

#### Opened in the following degrees:

Bachelor Degree in Data Science and Engineering Bachelor Degree in Informatics Engineering Master in Artificial Intelligence Master in Informatics Engineering Master in Innovation and Research in Informatics Has scolarship: Yes



#### **CINDA Network** Master and Bachelor Degree

### National Institute of Informatics (NII) Tokyo

Short stay, between 2 and 6 months, starting between June and March with the aim to do a research stay on diverse topics. There are usually two calls per academic year: first at about March-April and the second one around September-October.

#### Opened in the following degrees:

Master in Artificial Intelligence Master in Informatics Engineering Master in Innovation and Research in Informatics Has scolarship:

#### **Research Stay** Master

Yes

#### Stay: o 1 semester (minimum of credits enrolled 24 ECTS) o 1 year (minimum of credits enrolled 45 ECTS).

#### SICUE

The "Sistema de Intercambio entre Centros Universitarios Españoles", SICUE, is a mobility program at a Spanish national level. You can enrol elective courses.

Opened in the following degrees: Bachelor Degree in Data Science and Engineering Bachelor Degree in Informatics Engineering Has scolarship: No

#### **Elective Courses Bachelor Degree**



China

Russia

SICUE Intercambio Estudiantes Universidades Españolas



#### Programa de Intercambio Universitario

Qué es PIU

PIU

Quiénes pueden participar

Preguntas frecuentes

Universidades

Programas

### Revisa la oferta de intercambios 2022

Tipo de intercambio	Ctd. de programas
Presencial	943
Virtual	34





#### Quiénes pueden participar

Estudiantes de pre y posgrado pertenecientes a alguna de las universidades de la red Cinda que hayan sido seleccionados por su universidad para postular a alguno de los programas o actividades ofrecidos por el PIU.

Docentes, investigadores y gestores pertenecientes a alguna de las universidades de la red CINDA que cuenten con el respaldo de su universidad para postular y que cumplan con los requisitos específicos del intercambio al que postulan.

Toda universidad de la red Cinda que tenga oferta de intercambios en sus diferentes modalidades pueden participar del PIU. Las universidades que en la actualidad tienen programas disponibles son las siguientes.

#### Cómo postular

Si eres estudiante, académico o gestor de alguna de las universidades miembros de CINDA puedes vivir la experiencia del intercambio universitario ofrecido por el PIU.

Debes seguir los pasos a continuación:

- 1. Revisa los programas, cursos, pasantías y otras actividades ofrecidas dentro del sitio y la información detallada sobre requisitos, plazos de postulación e inicio del intercambio.
- 2. Una vez que identifiques el programa o actividad de tu interés, ponte en contacto con el Coordinador PIU de tu Universidad, para gestionar tu postulación.

### https://piucinda.cl/



- Consider stepping out of your comfort zone...
  - More "exotic" destinations ...
  - Why not Brazil? The University of Sao Paulo? Check out their ranking...
  - Panama, Chile, Argentina...
  - Canada, Montreal? French? There are also programs in english...
  - Germany =TUM? No, there are very interesting alternatives... KIT in Karlsruhe...
  - Why not a prestigious École Centrale of France?
  - Many more examples...





### Groupe des Écoles Centrales 2022

Inici » Notícies » Groupe des Écoles Centrales 2022

Date: 18 November 2022

Hour: 9 am Place: Sala d'Actes Manuel Martí Recober (B6 building, ground floor)

dilluns 14 novembre 2022







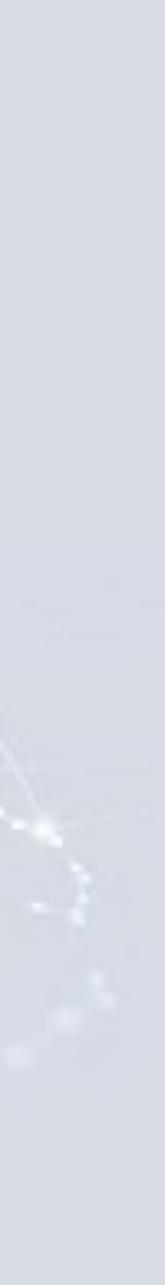
Representatives of the Groupe des Écoles Centrales of France will give an information session in which they will present their schools and the studies they offer to students interested in a mobility stay.



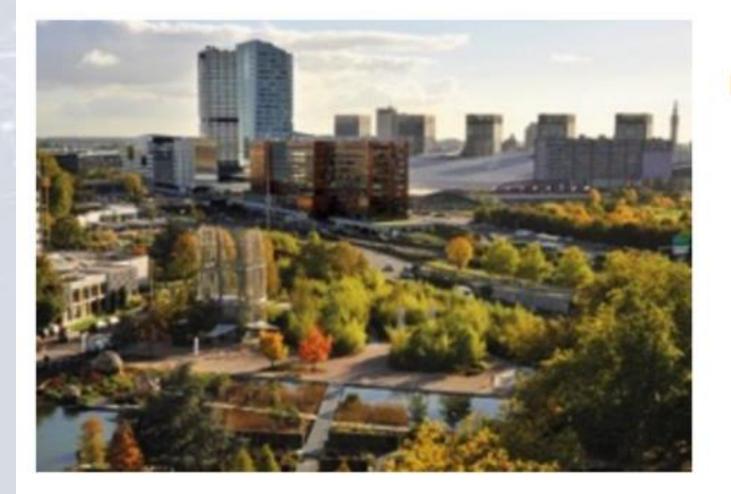
### CENTRALELYON











- 1<sup>st</sup> region in France for Industrial Investments
- 2<sup>nd</sup> region in France for Foreign Investments
- 5 Centres of Excellence & Innovation
- EuraTechnologies: 1st Start-Up Incubator in
  - France, 3rd in Europe
- Ifremer...
- Major actors of French Research & Innovation:
  - Institut Pasteur, CNRS, ONERA, INRIA, INRA,





- We are in negotiations with other universities in Korea, Taiwan, Malaysia...
- But maybe they are not yet this February...
- This year 22-23 the available places in Incheon, Korea have been filled
- ... In February more info...



### ACADEMIC STAY: USA

### **USA grant programs**

Georgia Institute of Technology (C), University of Colorado (Colorado Boulder (C)) and the University of California (C) (C) (C) offers grants for bachelor's or master's degree students to do research stays (only the final thesis). The stays are 4 to 6 months long.

#### Opened in the following degrees:

Bachelor Degree in Data Science and Engineering Bachelor Degree in Informatics Engineering Master in Artificial Intelligence Master in Data Science Master in Informatics Engineering Master in Innovation and Research in Informatics **Has scolarship:** 

Yes





### **Europe-Colorado Program**



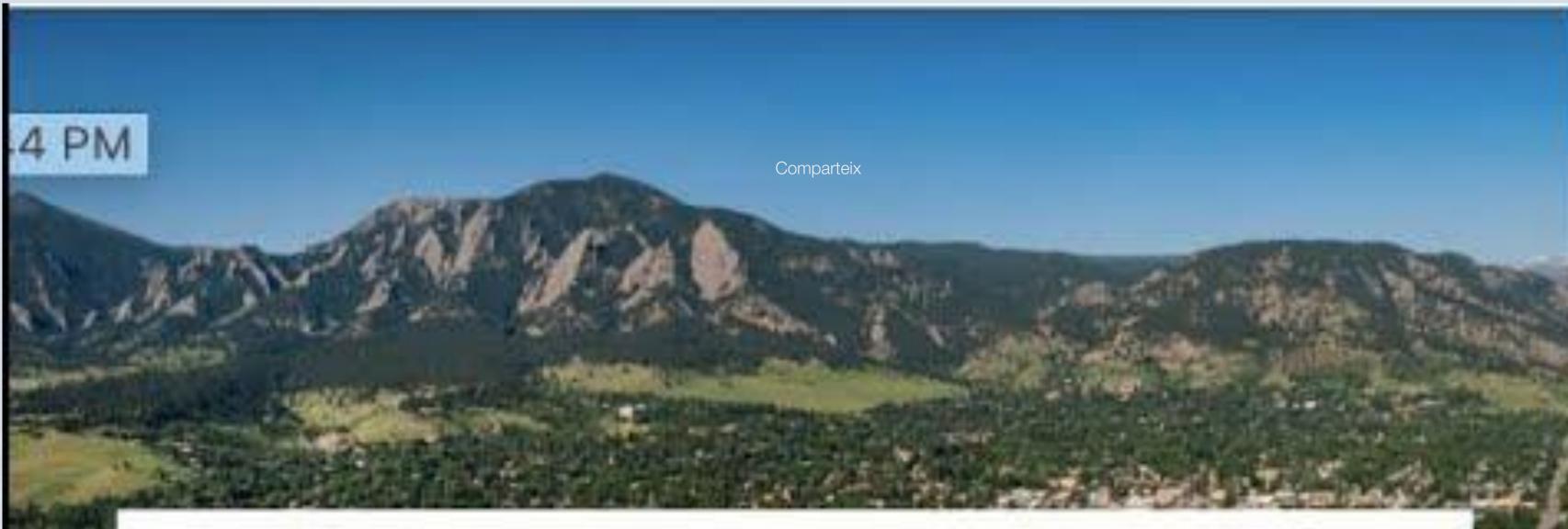
### **ACADEMIC STAY: USA**

University of Colorado Boulder (QS Global World) Ranking #206).

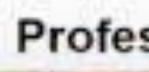
- Mobility Program For Bachelor/master thesis (about) 5 months).
- Good academic performance required (The student must) be in the top 10-20% of their class).
- Stay in a research laboratory.
- Financial support: about \$1,100 month.
- The student must be studying engineering or computer science at an European university and have English proficiency sufficient for an academic setting.
- Show interest in doing a master's degree and / or a PhD.

#### https://www.colorado.edu/engineering-international/europe-colorado-program





### **Europe-Colorado and Balsells** Programs





https://youtu.be/l1vlolJnhcY

**Professor Robert Davis** 



Europe-Colorado Program Presentation in partnership with the Balsells Program.

dimecres 19 octubre 2022





If you want to carry out your Bachelor or Master Thesis at the University of Colorado Boulder, you may attend the presentation session of the Mobility Projects and Graduate Study in Engineering in partnership with the Balsells Program for the 2022-2023 academic year.

Date: 23 November 2022

Time: 12 pm

Place: Sala d'Actes, C2 building, ETSECCPB, Campus Nord UPC











#### **Georgia Institute of Technology**

Georgia Institute of Technology, Atlanta United States

QS World University Rankings

₽ 88

Status Public

Research Output Very High

Student/Faculty Ratio 19

International Students 5,675

1,267

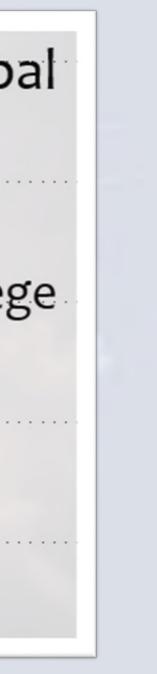
Size

Total Faculty

### ACADEMIC STAY: USA

## Georgia Tech

- Georgia Institute of Technology, Atlanta (QS Global) World Ranking #80)
  - Master students (2 places).
  - Paid stay in a laboratory / research group of the College of Computer Sciences.
  - o To do the TFM, 1 semester.
  - TOEFL (79 IBT, 550 PBT).
  - o Good academic record.



## ACADEMIC STAY: UNITECH

#### UNITECH

The UNITECH mobility programme is designed for high-achieving engineering students who also have the ability to lead, be proactive, communicate effectively, work in a team and other cross-disciplinary competencies. The programme is carried out within the framework of the UNITECH network

#### Opened in the following degrees:

Bachelor Degree in Data Science and Engineering Bachelor Degree in Informatics Engineering Master in Artificial Intelligence Master in Informatics Engineering Master in Innovation and Research in Informatics **Has scolarship:** Yes





https://www.upc.edu/sri/en/students/students-mobility-office/unitech/outgoings/unitech-outgoing

### Technical subjects + Business Economics

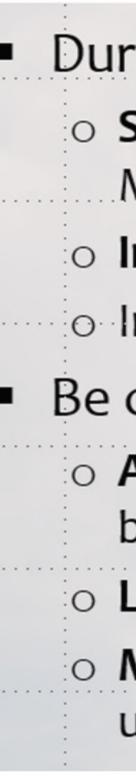
- **Exclusive** programme for institutions associated to the UNITECH network. High prestige in Europe  $\rightarrow$  Very competitive.
- The student does an academic stay with recognition of credits, and an internship.
  - Duration:1 year at the least.
  - Requirements
  - Bachelor student (4th year) or MEI and MIRI student (2nd year)
  - Good academic performance.
  - Good English level (certificate) and a leadership profile, pro activity...





### **Studies and internships**

New agreements: offer update



- Duration of the stay:
- Studies: 3 to 12 months for each formative stage (Bachelor, Master, Doctorate).
- o Internship: 2 to 12 months, for each stage as well.
- o In total, maximum of 12 months per stage.
- Be careful with:
- Academic calendar: FIB exams might overlap with the beginning of the course (specially in the second semester).
   Language Certificate required by the host university.
   Minimum of enrolled credits ECTS fixed by the host university.





## INTERNSHIPS



## INTERNSHIPS

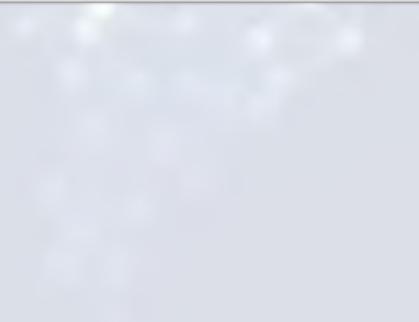
### Vulcanus

The Vulcanus in Japan programme offers industrial placements in companies located in Japan to students of some European universities. Participants will have the opportunity to learn the advanced technologies used by Japanese companies, as well as their awareness of Japanese culture and knowledge of their language.

#### Opened in the following degrees:

Bachelor Degree in Data Science and Engineering Bachelor Degree in Informatics Engineering Master in Artificial Intelligence Master in Informatics Engineering Master in Innovation and Research in Informatics Has scolarship:

Yes







EU-Japan Centre for Industrial Cooperation

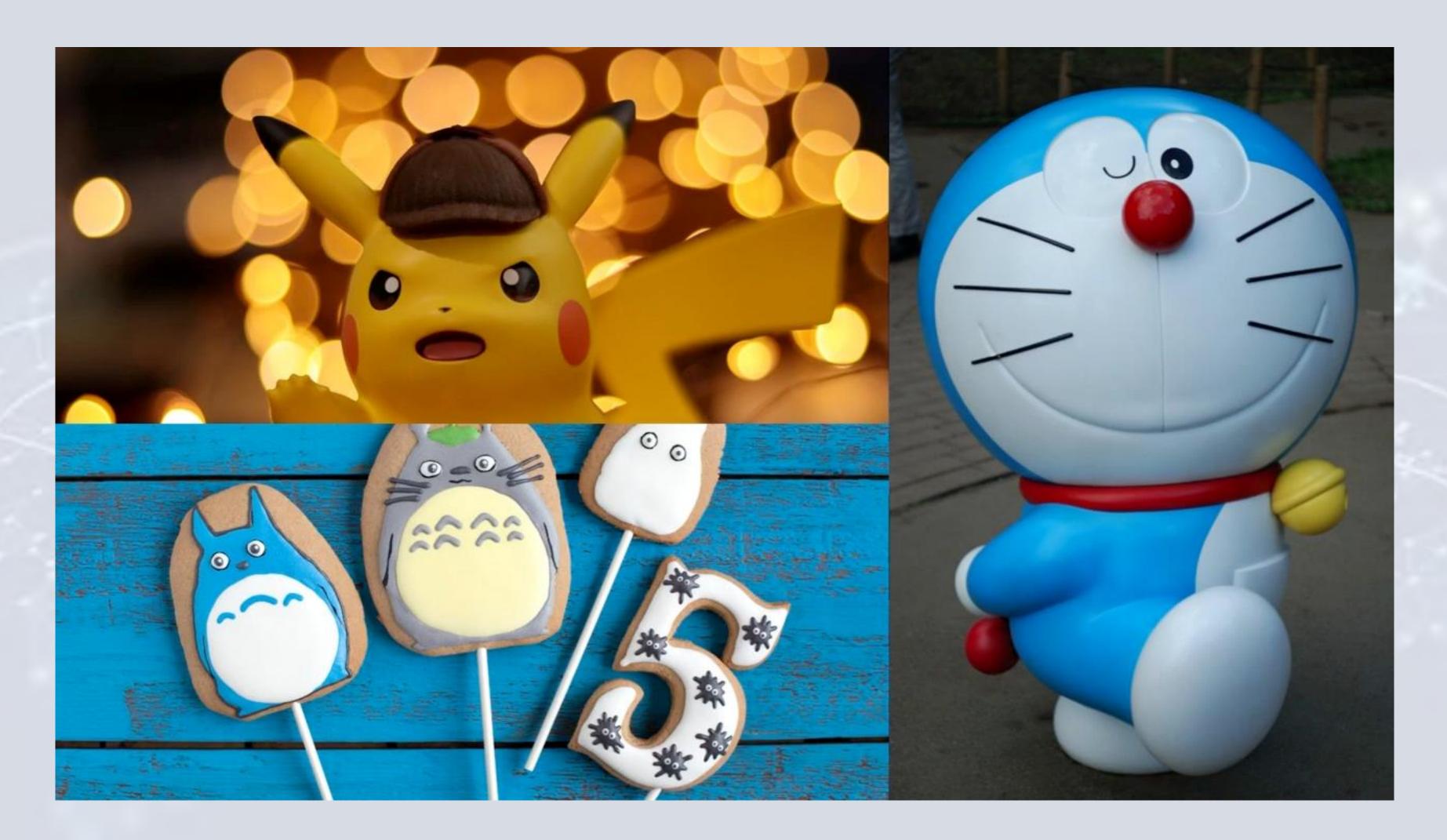
日欧産業協力センター

**Stay September - August** 4th Bachelor course or Master 1.900.000 yen + accommodation

> Open until Hiday 13 January 2023



#### https://www.eu-japan.eu/publications/vulcanus-japan-video



https://www.eu-japan.eu/events/vulcanus-japan



### INTERNSHIPS

#### Mobility-Outgoing

#### Internship abroad

If you want an international professional experience, check the websites and resources we can provide to find work abroad.



#### Where can I find internships abroad?

#### Interships offers with ever-open call

AIESEC
IAESTE
Erasmus+
Entrypark

More information about internships abroad in the International Relations Bureau of the UPC C s website.

I you find a company to do an internship, you have to get in touch with the International Relations Area of the FIB by sending a email to relint@fib.upc.edu to manage your mobility.

#### Internship offers in academic institutions

Georgia Institute of Technology - United States

École Polytechnique Fédéral de Lausanne - Switzerland

Haute École d'Ingénierie et de Gestion du Canton de Vaud - Switzerland

Eidgenössische Technische Hoschschule Zürich - Switzerland

Grenoble Institute of Technology - France

Innopolis University - Russia

Aalto University - Finland





https://www.upc.edu/sga/ca/Beques/BequesMobilitat





## GRANTS

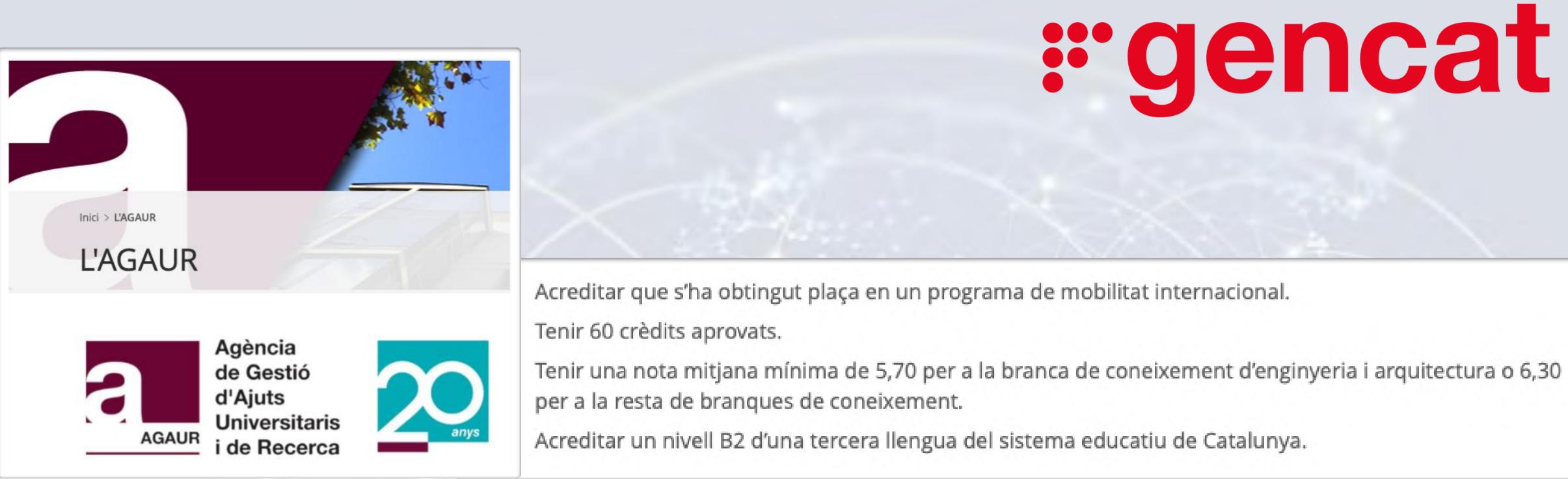
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Beques Mobilitat		Modalitat		Quan comença la te	방법은 일반	litza la teva	Convocatòria beca Erasmus
<ul> <li>Erasmus Estudis estats membres i associats 2022-23</li> <li>Erasmus Pràctiques estats membres i associats 2022/2023 - Grau i màster</li> <li>Erasmus Estudis entre països del programa 2022/23 ETSAB</li> </ul>				estada	estada	estada	
		Erasmus Estudis Estats membres i Estats associats a la UE Erasmus Pràctiques Estats membres i Estats associats a la UE		A partir de l' 01/06/2022	Abans del	30/09/2023	convocatòria 🛛
				0170072022			
				A partir de l' 01/06/2022	Abans del	Abans del 30/09/2023	convocatòria 🛛
		Erasmus Estudis Entre països del programa - Estudiants de grau ETSAB		A partir de l' 01/07/2022	Ahans del	Abans del 30/06/2023	convocatòria 🛛
Recolzament a la inclusió							
Test d'idiomes Erasmus							
Santander Erasmus 2	023/24						
+ Info Mobilitat		Beca Erasmus Santander 2023				4/00/0000	
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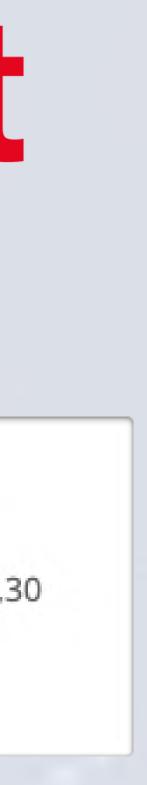




### **MOBINT GRANTS**



https://agaur.gencat.cat/ca/beques-i-ajuts/convocatories-per-temes/Ajuts-a-la-mobilitat-internacional-delestudiantat-de-les-universitats-catalanes-per-al-curs-academic-2022-2023-MOBINTMIF-2022



#### CERN (Conseil Européen pour le Recherche Nucléaire)

The CERN, Conseil européenne pour la recherche nucléaire, offers, in different programmes, the possibility of working or carrying out the PhD.

#### Opened in the following degrees:

Bachelor Degree in Data Science and Engineering Bachelor Degree in Informatics Engineering Master in Artificial Intelligence Master in Informatics Engineering Master in Innovation and Research in Informatics Has scolarship: Yes







#### Summer Schools





#### International Relations Bureau



Strategy

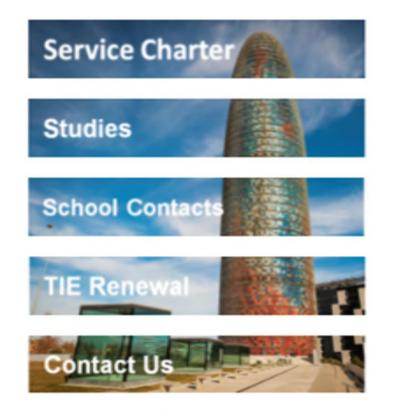
Alliances

You are here: Home



### https://www.upc.edu/sri/ca/mobilitat

Site Map · Contact · Log In · @ English • Search







### Summer courses of Georgia Tech at FIB

• From 17/05 to 29/07

• GEI-GCED Every passed course is worth a elective subject (6 ECTS).

• English lectures with GaTECH students.



# SALSA'M, t

Over 4,000 people have participated in the SALSA'M programme since 2015.

The SALSA'M mentoring programme connects local students with international students who are on an academic stay at the UPC.

The programme's activities include language exchange, cultural visits, guided tours, and academic support and induction activities.

The following schools participate in the programme: EEABB, EEBE, ETSAB, ETSETB, ETSECCPB, FIB, ESEIAAT, FOOT and EETAC.

International students wanted

Mentors wanted

3 ECTS credits

facebook.com/salsam.upc 🐨 instagram.com/salsam.upc

#### Language and Terminology Service

SALSA'M, the UPC's buddy programme

#### BUDDY PROGRAMME Mentories d'acollida lingüística i cultural





Barcelona.cat - Ajuntament de Barcelona 🖾



<

#### Language and Terminology Service

#### Idiomes Unite!



El Servei de Llengües i Terminologia de la UPC forma part del grup de treball Multilingüisme i Multiculturalitat de l'Unite! Amb la resta d'universitats europees que participen a la xarxa, impulsem projectes per ajudar l'estudiantat a millorar la competència lingüística i intercultural.

#### Cursos virtuals d'idiomes i d'habilitats comunicatives Oferim cursos virtuals per aprendre idiomes, desenvolupar habilitats comunicatives i assolir competències

interculturals.

#### Tàndems lingüístics Unite! a la UPC

Organitzem un programa de tàndems lingüístics que connecta l'estudiantat de la UPC amb l'estudiantat d'altres universitats Unite! per a un intercanvi de llengües.

#### Competència intercultural

la interculturalitat al món actual.

Totes aquestes activitats estan impulsades pel Centre de Multilingüisme i Multiculturalitat de Unite!, una col·laboració dels serveis lingüístics de les universitats participants.



University Network for Innovation, Technology and Engineering

Creem eines i recursos per augmentar la consciència de l'estudiantat sobre la importància del multilingüisme i

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# USA (academic stay, internships)

• Request a place for your place via e-mail at fib.rel.int@upc.edu

- Ask for a prioritized place (max 3).
- English certificate: end of January.
- Plan the calendar synchronization.

# VULCANUS, UNITECH... Watch out for the calls

Check the requirements of the university.



# Erasmus+ KA103, Latin America, Canada, India, Taiwan, Russia, China, ... + double degrees

O What do I want to do?
O When do I want to leave? When can I leave?
O Available grants.





### INTERNATIONAL RELATIONS FIB



#### https://www.fib.upc.edu/en/appointments



#### Mobility

- Where: Academic office board (ground floor, building B6)
- When (10-minute interval):
  - Tuesday, Wednesday and Friday from 10 am to 1 pm
  - Wednesday, from 3.30 pm to 5 pm
- email support: rel.int@fib.upc.edu

Appointments without a reason specified in the description will be cancelled.

Make your appointment

CAROLINA MARTIN fib.rel.int@upc.edu

#### **ESTEVE TORRENS**

fib.becari.internacionals@upc.edu



#### https://www.fib.upc.edu/en/appointments



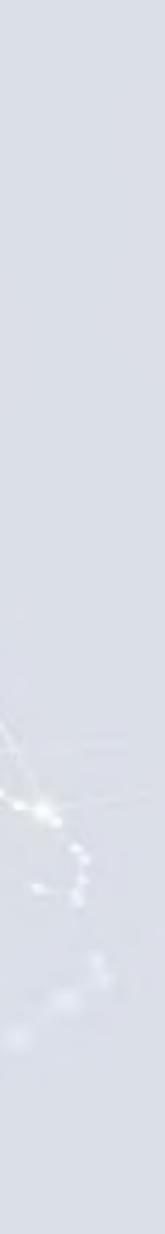
#### Mobility (vicedean)

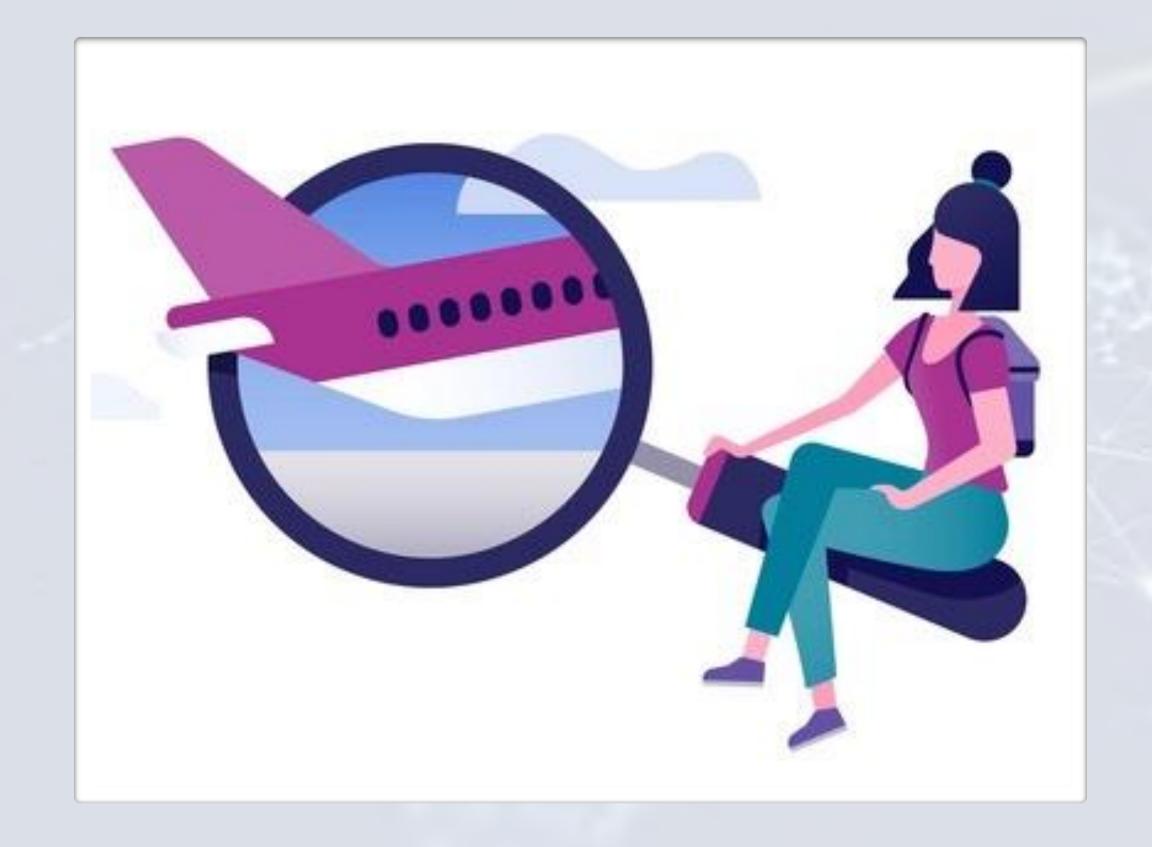
- Where: online via GMeet
- · When:
  - Monday from 4:00 pm to 6:00 pm (20-minute intervals).
  - Wednesday from 12:00 pm to 2:00 pm (20-minute intervals).
- Email attention: vd.internacionals.fib@upc.edu

Appointments without a reason specified in the description will be cancelled.

Make your appointment

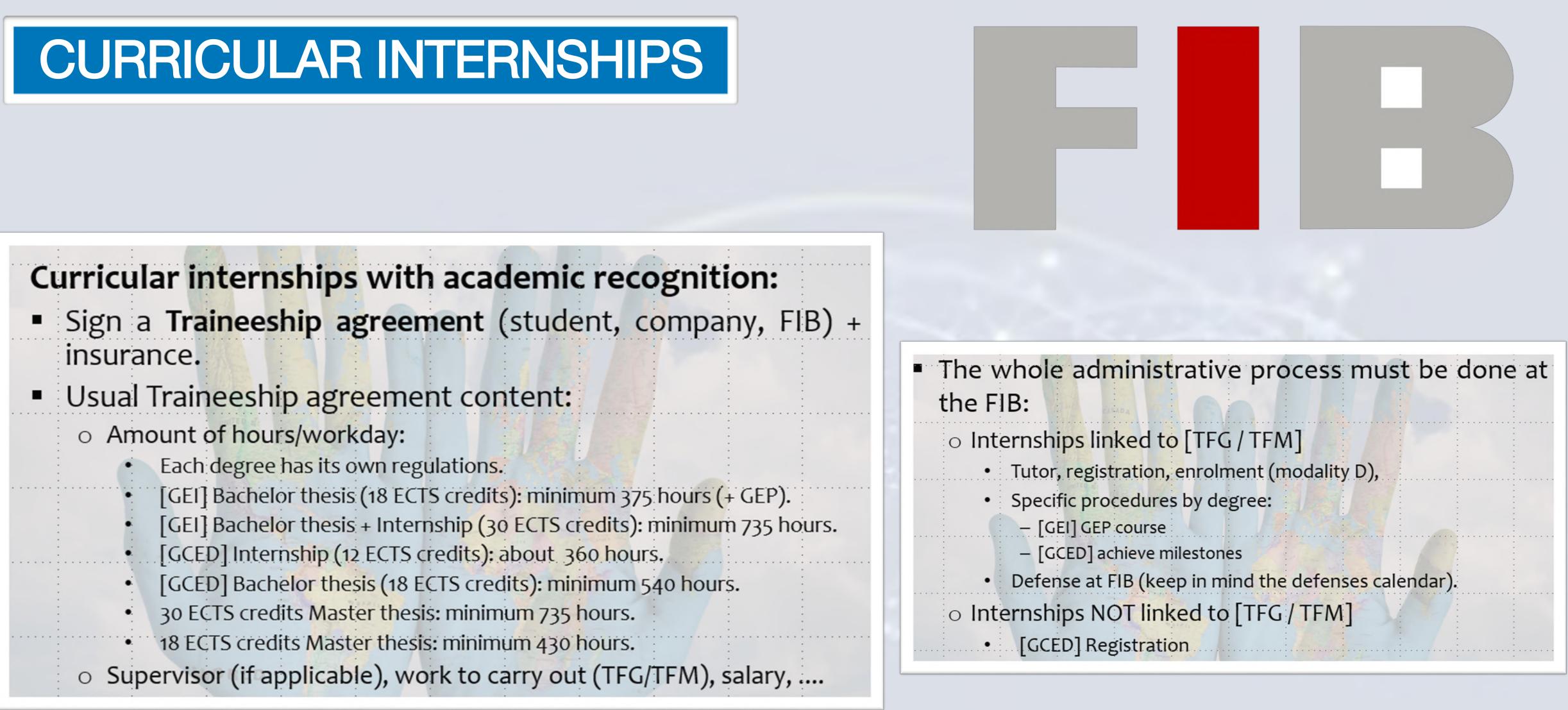
Anna Rio Vicedegana de Relacions Internacionals vd.internacionals.fib@upc.edu





# CHEER YOURSELF UP!





### NOT CURRICULAR INTERNSHIPS

#### Internship WITHOUT academic recognition:

- Sign a Traineeship agreement (student, company, FIB) + insurance.
- During the stay, the enrolment only includes fee payment.



### **BOTH MODALITIES**

- Economic support
  - o Company's salary.
  - O Possibility to ask for an Erasmus+ grant for internships if it is in an European country.
- The offers will be published in FIB's website, in the Labour Exchange ...
- Looking for a Company by yourself is highly recommended.

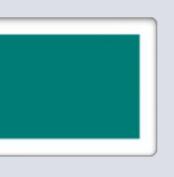


### PROCEDURE

- ones you have interest in (FIB website).
  - calendar, accommodation, procedures...

### 2. Choose up to 10 options (e-Secretaria).

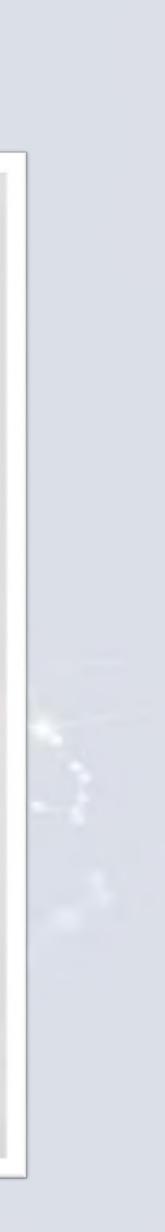
٠ certificate demand...



# 1. Check the partner universities list and identify which

Language requirements, subjects offer, deadlines, academic

In observacions you will find relevant information, in case there is: possibility to carry out the bachelor's/master's thesis, language



- 5. Once you accept your place, the adventure shall begin:
  - Check FIB website: a) https://www.fib.upc.edu/en/mobility/outgoing/studyabroad/you-leave
  - b) Follow the host universitie's procedures. Be quite careful with the deadlines.
  - **Read** the e-mails you receive from <a href="mailto:fib.rel.int@upc.edu">fib.rel.int@upc.edu</a> !!! c)
  - Request for the grants, whenever it is time for it. d)
  - e) Hand in all the required documents in the e-secretaria.







3. You will be assigned (or not) one of the options, it will depends on: a. Position in the list of applicants (transcript grade weighted with the average grade of your degree, rate of return-  $\alpha$ ). b. The assignation of those before you. c. The personal list of requests. 4. You will be informed about the decision and you must quickly accept or decline your place via e-Secretaria.

