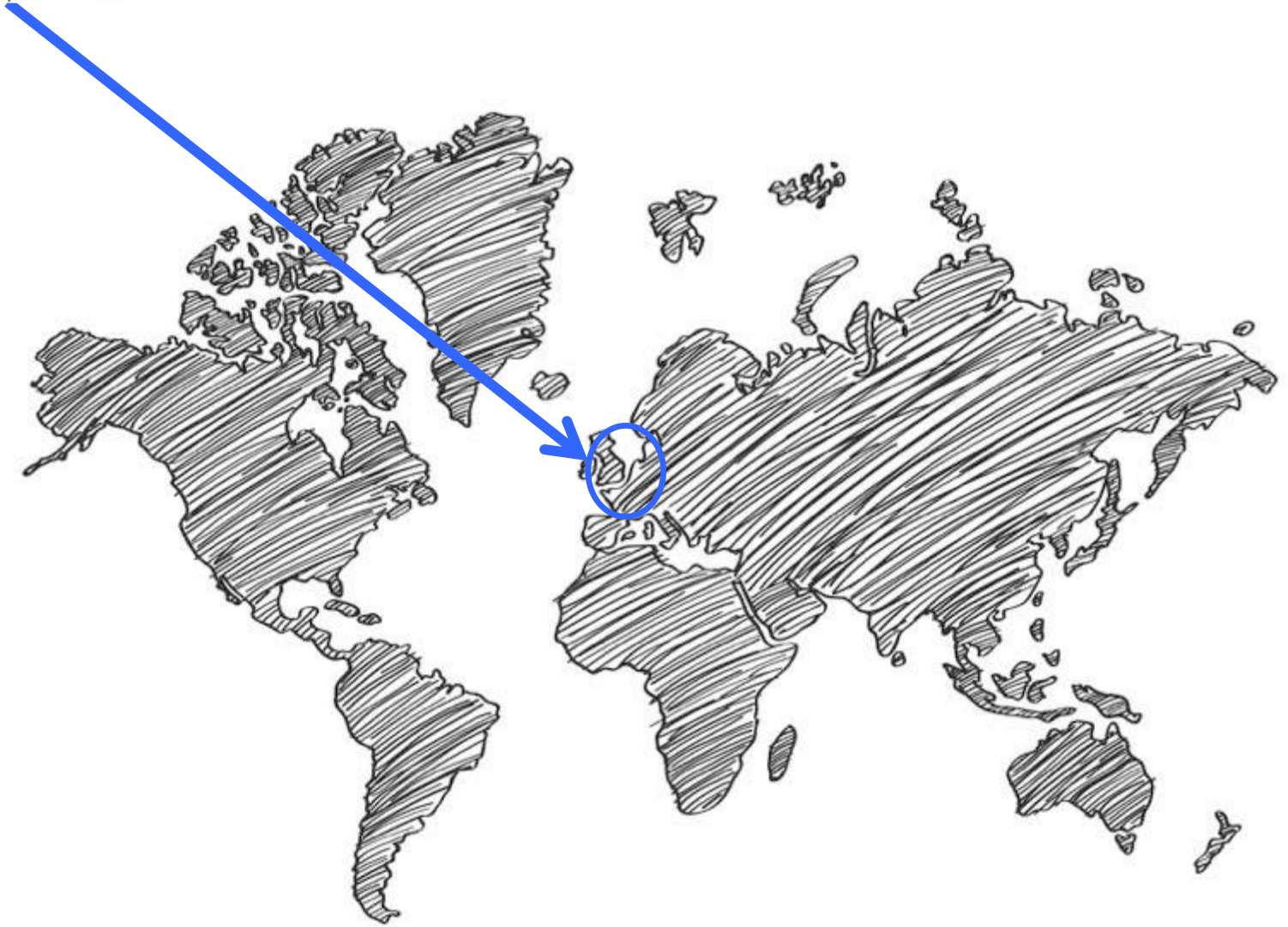# Welcome

Dr. Francois RIVET
Director of International Office

Welcome at Bordeaux Institute of Technology

- Why should I go to Bordeaux ?
- What will be my exchange program ?
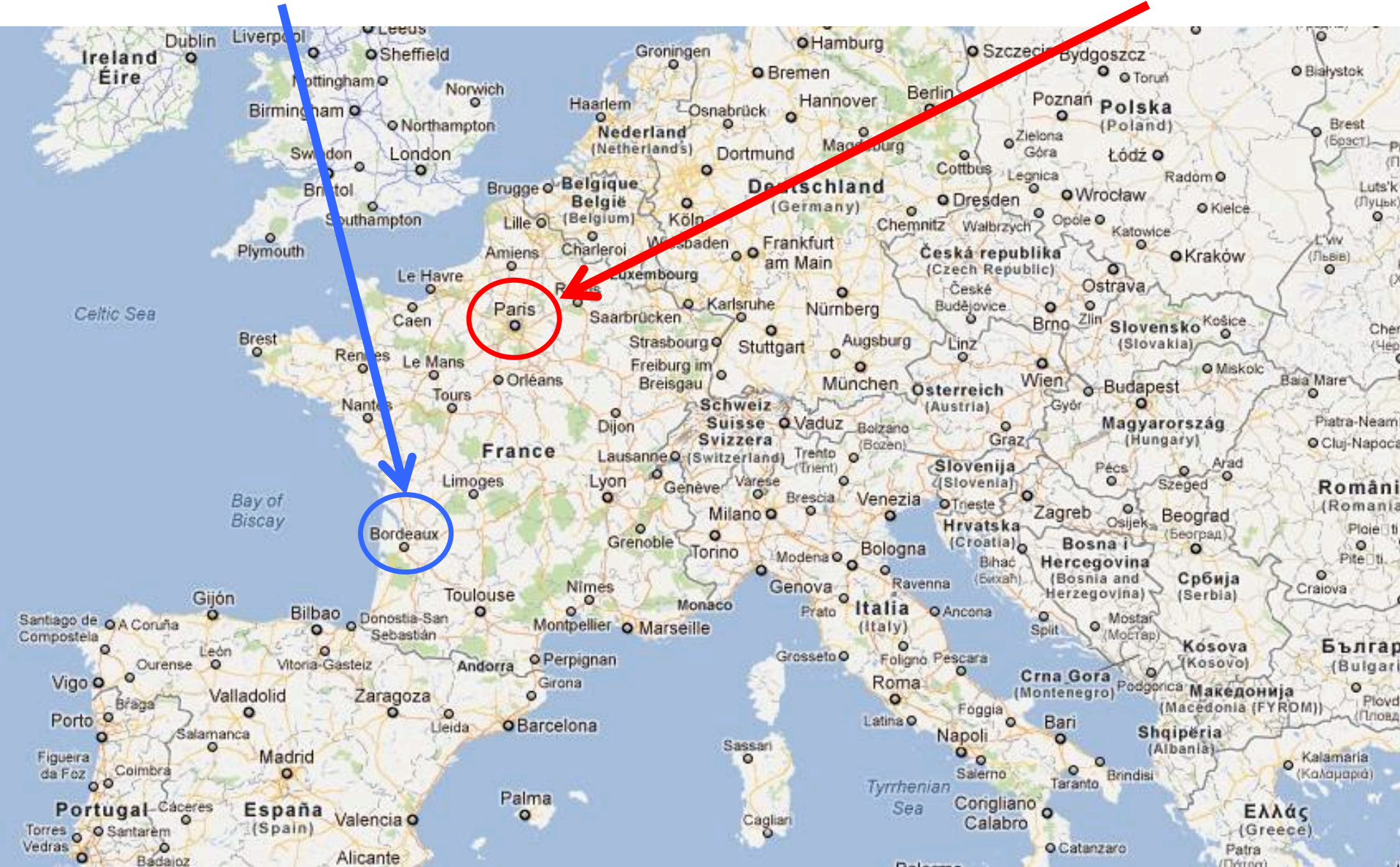- I want to study at Bordeaux !
- Let's apply !

France

Bordeaux in France

Paris is here !

Bordeaux

- **A 1 million inhabitant urban area**
  - Capital city of South West of France
  - 100 000 students in higher education
- **A world heritage city**
  - 2000 years of history
- **A easy way of life**
  - Ground transportation, safety
  - International city

Bordeaux

- **2 hours to Paris**
  - High Speed train (TGV)
- **3 hours to the Pyrenees mountains**
  - Ski resorts
- **45 minutes to Atlantic Ocean**
  - Surf !

Bordeaux has an international airport connected to most European cities (1 to 2 hour flight).

Bordeaux INP
ENSEIRB
MATMECA

Bordeaux

- **Tremendous cultural life**
    - UNESCO classified city, concerts, cinemas, exhibitions, museums, parks, the « docks »
    - Southwest way of life
    - Wine …

Bordeaux vineyards

- Bordeaux, one of the most famous wine in the world
- 120 000 acres of vineyards
- 8000 « châteaux » = (open day, tasting, events,…)
- 12000 wine-makers !!!

Bordeaux Silver Coast

- **Atlantic ocean**
    - A straight coast, only sand with a direct access to the Atlantic Ocean
- **Do you like surfing ?**
    - Great waves, the place to go surfing in Europe (Lacanau, Hossegor, Biarritz)
- **Do you like oysters ?**
    - The bay of Arcachon with the highest sand dune in Europe (Dune du Pyla)
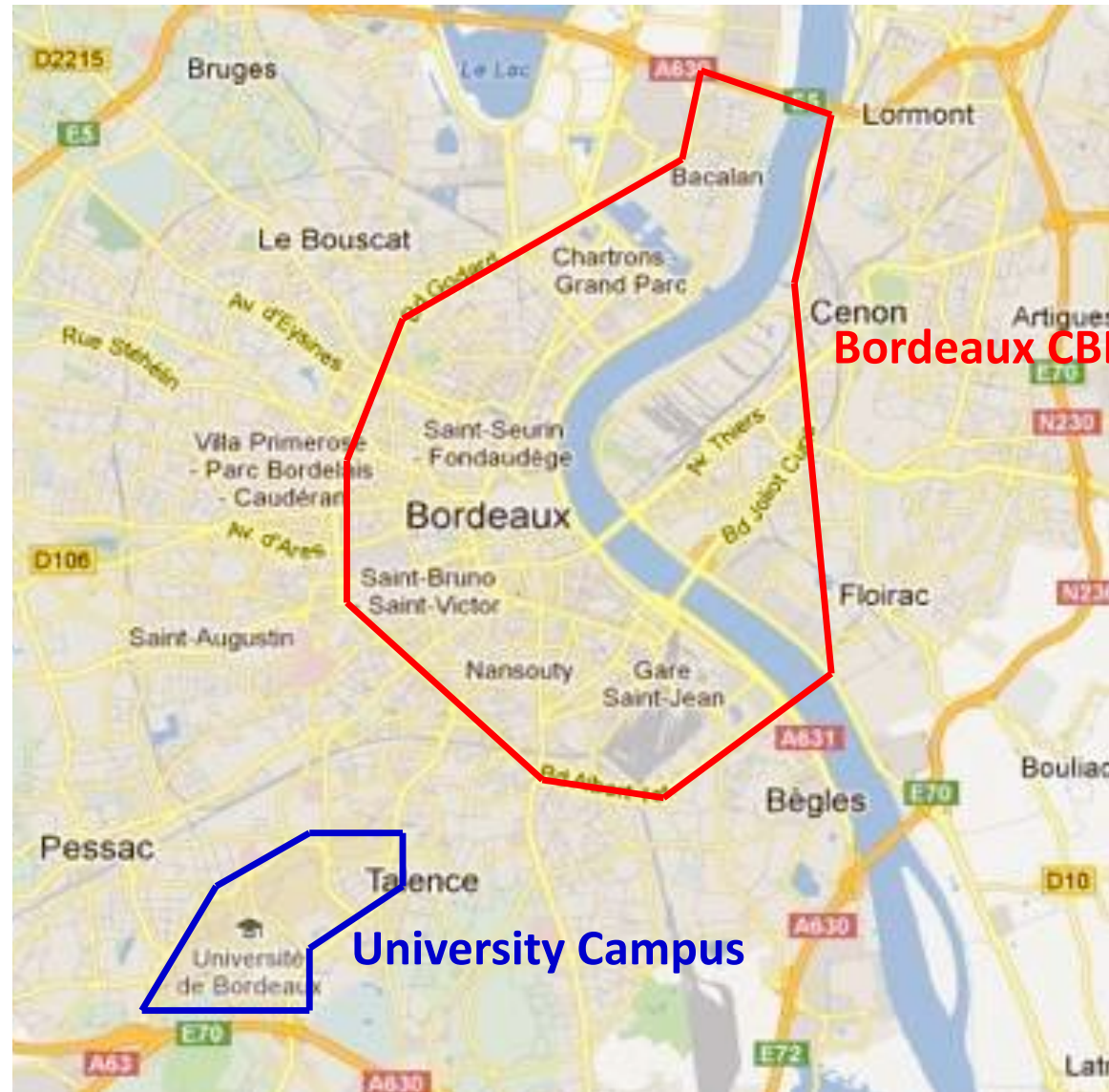
Bordeaux, most attractive city in the world in 2017

Los Angeles Times

University campus

- **Close to the city**
  - 15 minutes by tram
  - 1 tram every 5 minutes
- **A single campus**
  - The University of Bordeaux
  - Bordeaux Institute of Technology

Bordeaux from Space

The Science and Technology Campus

The Science and Technology Campus

Haut Brion Vineyards
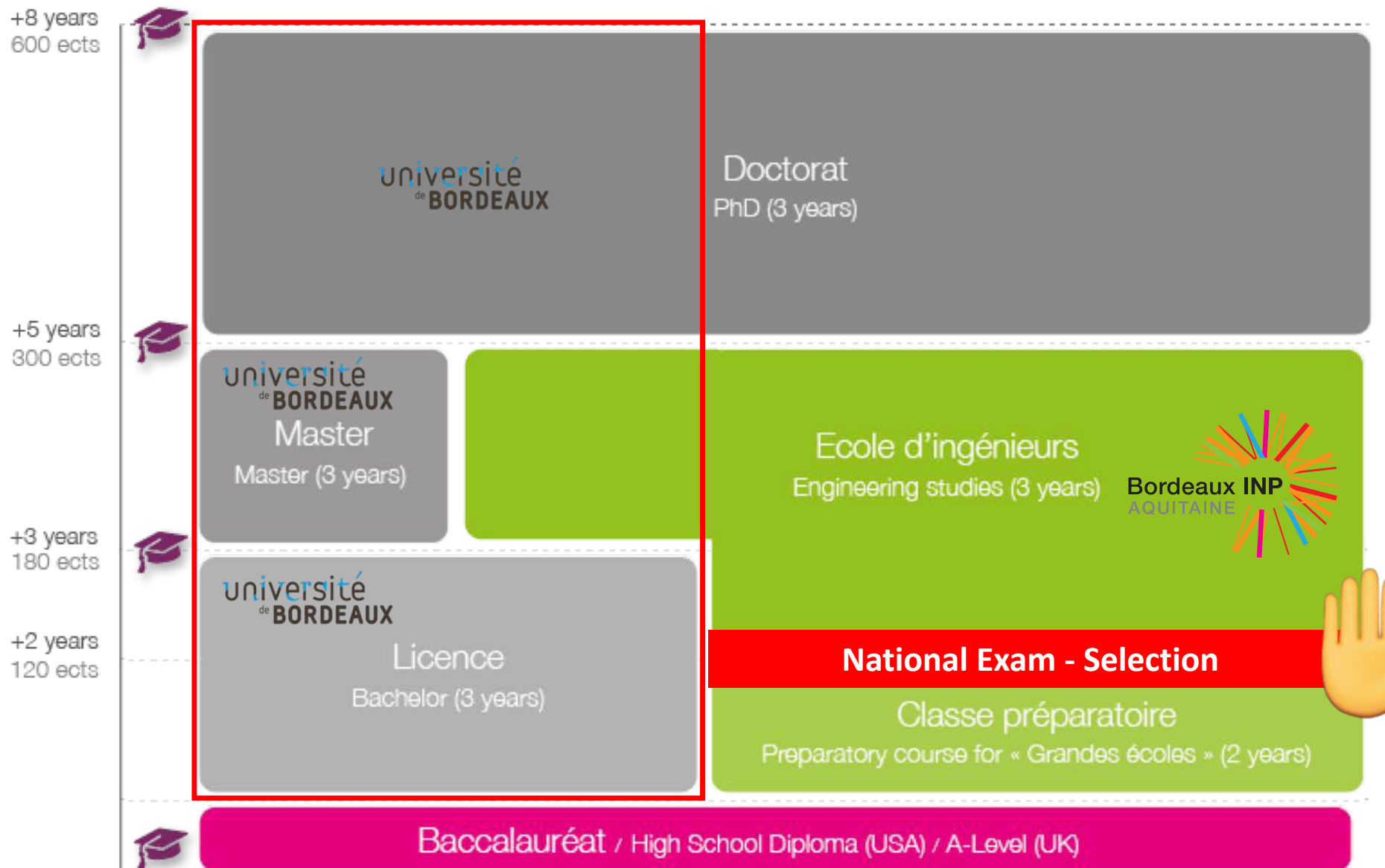
Bordeaux Institute of Technology

French Research Agency

ENGINEERING STUDIES IN FRANCE

+8 years
600 ects

université de BORDEAUX

Doctorat
PhD (3 years)

+5 years
300 ects

université de BORDEAUX
Master
Master (3 years)

Ecole d'ingénieurs
Engineering studies (3 years)

Bordeaux INP
AQUITAINE

+3 years
180 ects

université de BORDEAUX
Licence
Bachelor (3 years)

+2 years
120 ects

National Exam - Selection

Classe préparatoire
Preparatory course for « Grandes écoles » (2 years)

Baccalauréat / High School Diploma (USA) / A-Level (UK)

ECTS (Système Européen de Transfert et d'accumulation de crédits) : Tous les enseignements validés en fin de semestre donnent lieu à l'attribution de crédits ECTS. Un semestre équivaut à 30 crédits. / ECTS (Europ
Credits Transfer System) : Used throughout higher education institutions, it facilitates student mobility within Europe and the comparison of study programs and courses. Full time students need to complete 60 ects p

A French Engineering School

- **Is a Public Institution**
  - Access only by merits …
  - **After** 2 years of intensive mathematics and physics courses,
  - **After** a national exam to be ranked among 10 000 candidates,
  - **After** being selected by a school !
  - Low fees but French government pays for it (15 000€ per year per student)
- **Is a school of excellence**
  - Only the **best** of the **best** are selected
  - 3 years of French touch of engineering
  - Promo limited to 100 students for each specialty, work in groups (under 20)
  - **99.99%** of success in work placement
- **Is a place to build up his future**
  - **French** diploma of engineering is delivered by **French** authorities
  - Equivalent to Master Degree
  - Strength of a network

We invite you to experience French engineering

Bordeaux **INP**
AQUITAINE

Bordeaux Institute of Technology

8 Graduate Schools of Engineering

ENSEIRB-MATMECA (founded in 1920)
Graduate School of Electronics, Computer Science, Telecommunications, Mathematics and Mechanics

ENSC (founded in 2003)
Graduate School of Cognitics

ENSTBB (founded in 1994)
Graduate School of Biotechnologies

ENSCBP (founded in 1892)
Graduate School of Chemistry, Biology and Physics

ENSGTI* (founded in 1991)
Graduate School of Industrial Technologies Engineering

ISABTP* (founded in 1996)
Graduate School of Construction Industry and Civil Engineering

ENSEGID (founded in 1989)
Graduate School of Environment, Geo-resources and engineering for sustainable Development

BSA* (founded in 1963)
Graduate School of Agronomic sciences

Bordeaux INP
ENSEIRB
MATMECA

Bordeaux Institute of Technology

Some key figures …

- **One of the largest institute in France**
    - 280 faculty members
    - 8 graduate schools
    - 19 departments
    - 12 joint research centers
- **3.200 students (4 campuses)**
    - 1000 students graduated each year
    - 60 students associations
    - 9 to 14 months of work placement
    - 4 Masters of Science
- **More than 130 international partners**
    - Avg. 12% international students

Bordeaux INP
AQUITAINE

Bordeaux INP
ENSEIRB
MATMECA

Bordeaux Institute of Technology

Our major courses

- Biotechnology
- Chemistry-Physics
- Food science and technology
- Cognitive Science
- Electrical Engineering
- Computer Sciences
- Telecommunications
- Mathematical and Mechanical
- Environment, Geological Resources and Sustainable Development
- Agronomic science
- Chemical engineering
- Energy
- Building and public works

ENSEIRB-MATMECA

- **Some key figures**
  - Founded in 1920
  - 1500 students
  - 120 permanent professors
  - 4 research laboratories
  - 350 non-permanent teachers
- **Engineering programs**
  - Electrical Engineering
  - Computer Science
  - Mathematics and Mechanical Engineering
  - Telecommunications

ENSEIRB-MATMECA

Computer Science Dept.

- Software Engineering
- Parallel computing, Regulation et Distributed computation
- Networking and Distributed Systems
- Robotics
- European Studies in Software Verification *(Eng)*

Mathematics & Mechanics Dept.

- Fluid mechanics and energetics
- Material and structures
- Scientific computation

Telecom Dept.

- Digital Comunicating Systems
- Networks and Telecommunications Software Engineering
- Networking and Communicating embedded Systems

Electronics Dept.

- Circuits and Integrated Systems
- Radio and Telecommunications Systems
- Signal and Image Processing
- Automatics ,Mecatronics, Automobile, Aeronautics and Space
- Embedded Systems

ENSEIRB-MATMECA

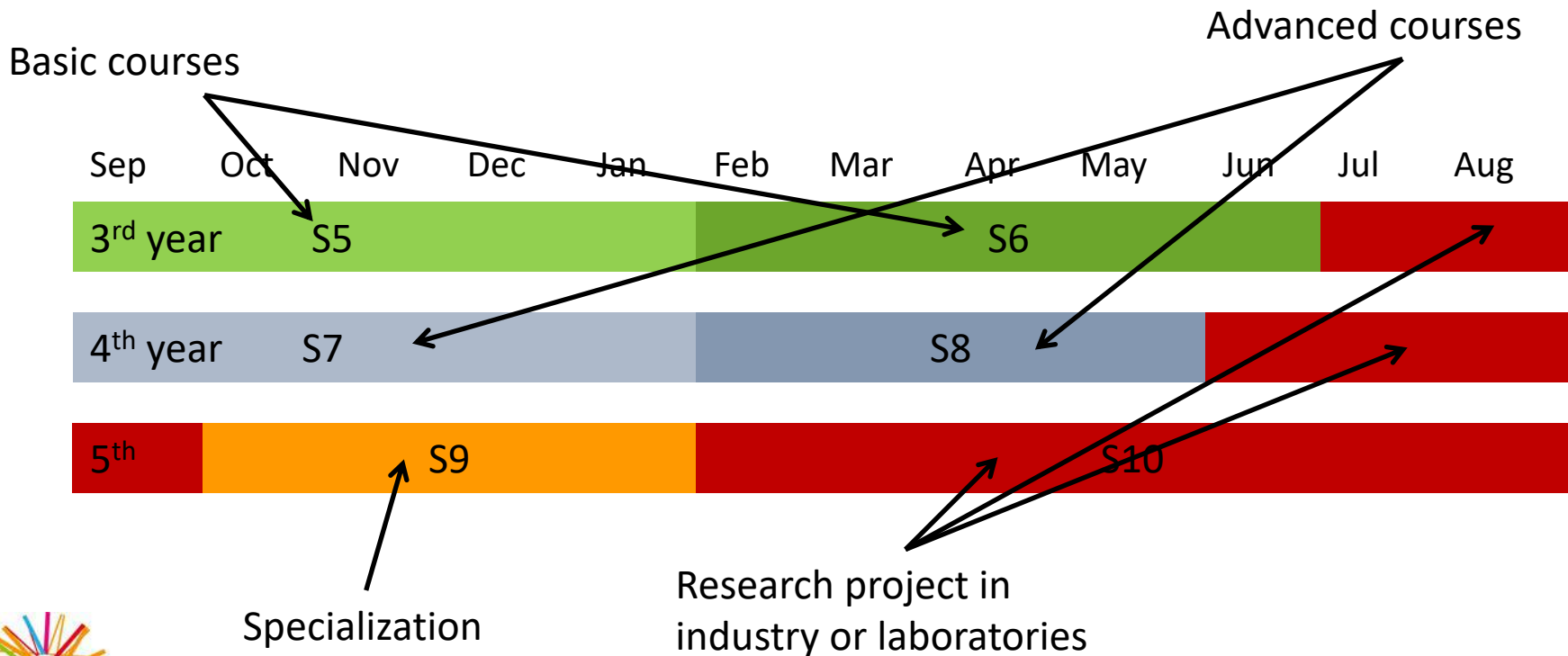| age	World	France
16	High school diploma	
17		
18	Bachelor's degree	"Baccalauréat"
19		Preparatory class
20		
21		Engineering School
22	Master's degree	
23		
24	PhD	PhD ("doctorat")
25		
26		
27		

We offer the corresponding levels to:

- 3rd year of Bachelor
- 1st and 2nd year of Master
- Master by research or by course

ENSEIRB-MATMECA

- ## Training program overview
  - 3rd year of Bachelor = 3rd year
  - 1st and 2nd year of Master = 4th and 5th year

Advanced courses

Basic courses

Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug

3rd year   S5   S6

4th year   S7   S8

5th   S9   S10

Specialization

Research project in industry or laboratories

ENSEIRB-MATMECA

- **Technical content**
  - You sit in amphitheaters,
  - You work in small groups,
  - You have practical demo,
  - You have fun in technics !
- **Non-technical content**
  - You learn English,
  - You learn a second foreign language (Chinese, Arabic, Japanese, … French),
  - You learn management.

Bordeaux INP
ENSEIRB
MATMECA

Welcome at Bordeaux Institute of Technology

- **Why should I go to Bordeaux ?**
- What will be my exchange program ?
- I want to study at Bordeaux !
- Let's apply !

5 reasons to come at Bordeaux

1 I want to get MY French touch of engineering

I want my credits but living a unique experience **2**

3 Bordeaux is the « coolest » place to live a part of MY life

I am looking for a work placement in Europe **4**

5 I am YOUNG and this is the opportunity !

YOLO (You Only Live Once)

Go out your confort zone at Bordeaux

Welcome at Bordeaux Institute of Technology

 Why should I go to Bordeaux ?

 What will be my exchange program ?

 I want to study at Bordeaux !

 Let's apply !

Our exchange program

I want go to Bordeaux during …

- Less than 2 months: **Short Term Program**
  - **Research project** in our research centers
  - Bordeaux Institute of Technology **Summer school**
- Less than 6 months: **Mid Term Program**
  - **Research project** in our research centers
  - **Academic Semester** (Master Coursework)
- A complete year and more : **Long Term Program**
  - Double Diploma

Bordeaux INP
ENSEIRB
MATMECA

Our exchange program

I want go to Bordeaux for …

- **A research project**
  - You study in our research centers
  - You work with reknown scientist
  - You can get credits !

- **An academic semester**
  - You can benefit from specialized international master courses taught in english
  - You can get french lessons for free
  - You get credits, but a different way …

- **A Double Diploma**
  - 2 semesters and a research project

Our exchange program

A brief overview

	< 2 months	> 2 months < 6 months	< 1 year	> 1 year
Research Project	✖	✖	Master of	Double
Academic Semester	✖	✖	Science	Diploma

Bordeaux INP
ENSEIRB
MATMECA

Welcome at Bordeaux Institute of Technology

➤ Why should I go to Bordeaux ?

➤ What will be my exchange program ?

➤ **I want to study at Bordeaux !**

➤ Let's apply !

Study with us
-
Summer School

1st of July 2019
-
12th of July 2019

SUMMER SCHOOL
June 25th to July 6th, 2018

Bordeaux INP AQUITAINE

Workshop
French courses
Cultural visits

Design your own IoT network !

1000€

including French language courses, workshop, practical demonstration, cultural visits, lunch & transportation within Bordeaux area.

Bordeaux INP AQUITAINE

bordeaux-inp.fr
BORDEAUX INSTITUTE OF TECHNOLOGY

Study with us

-

Your Academic Semester

Study with us – Your Academic Semester

- **What is an academic semester ?**

  - A semester is a **complete program** of courses.

  - You cannot mix courses from different specialties or options, nor from different year levels.

  - You may eventually remove some courses from a semester programme, provided both your home institution tutor and ENSEIRB-MATMECA international department coordinator agree that there is no pre-requisite problem.

- **When, Which, What, How ?**

  - When can I come for an academic semester ?
    - From **October to end of January** or from **February to end of May**
    - Apply **before 15th of May** or **15th of October**

  - Which level of study ?
    - 3rd year undergraduate students (bachelor) or higher (master).

  - What language ?
    - English for international master, otherwise French

  - How can I find a semester ?
    - A course program is available online www.enseirb-matmeca.fr or international.eirb.fr

Study with us – Your Academic Semester

- **International Master taught in english**
  - Get access to a specialized course program
  - From October to January
  - Apply before 15th of May
  - Includes:
    - Practical demonstration
    - Specialists or worldwide reknown scientists seminars
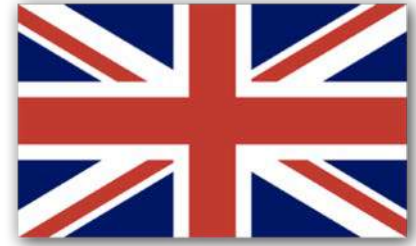 - A one-month research project can be added in September

- **National Course Program taught in french**
  - French level B2 required
  - 1 semester from **September/October to end of January** or from **February to end of May/June**
  - A complete year from September to June
  - Need more details ?
    - A course program is available online www.enseirb-matmeca.fr

Bordeaux INP
ENSEIRB
MATMECA

International Master Program

Get a French touch of engineering !

1- International Master of Software Verification

- Formal methods applied to software verification and analysis

2- International Master of Software Engineering

- Advanced training in computer science engineering to design, understand, develop and maintain complex software systems

3- International Master of Radio and Telecommunication Systems

- Advanced training in Technologies, Circuits and Systems for Radio and Telecommunications

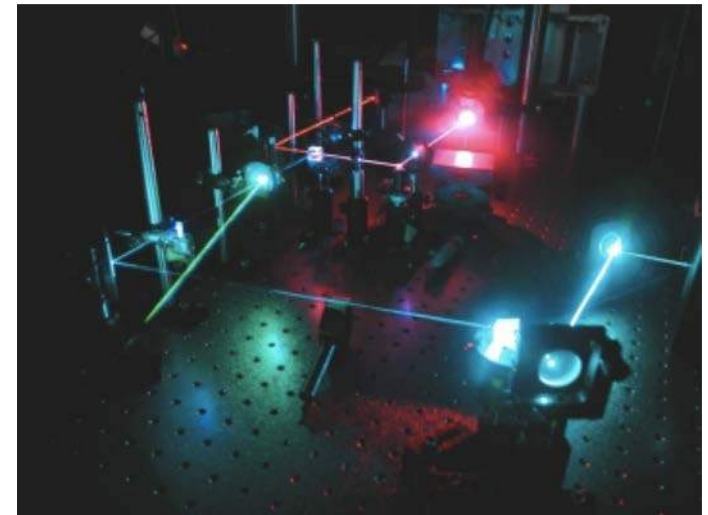**Study with us**

-

Your Research Project

Study with us – Your Research Project

- ## What is a research project ?
  - It is an **internship** with a supervisor,
  - on **a subject** or area in one of our 4 associated laboratories,
  - depending on **your backgrounds**, home study requirements and **personal taste**.

- ## When, Which, What, How ?
  - When can I come for a research project ?
    - Whenever you want except August.
  - Which level of study ?
    - 3rd year undergraduate students (bachelor) or higher (master).
  - What length ?
    - From one week up to 6 months.
  - How can I find a supervisor ?
    - An interactive list of potential supervisors is available online.

Study with us – Your Research Project

BORDEAUX INP « GIVE ENGINEERING A FRENCH TOUCH »

Bordeaux INP AQUITAINE

VISITING RESEARCH STUDENTS

Choose a scientific experience in electronics, computer sciences, telecommunications or mathematics and mechanics !

Bordeaux INP welcomes you for a visiting research project. You will be supervised by a Professor to achieve a technical or an engineering task during 1 week up to 6 months*. During that time, you are enrolled as student and benefit from school environment including social activities, french lessons and much more ! Contact us, tell us about your wishes and we will organize your visiting research project at Bordeaux.

4 RESEARCH CENTERS

ims WWW.IMS-BORDEAUX.FR
- MATERIALS, COMPONENTS,
- CIRCUITS, SIGNALS,
- HOMOGENEOUS AND HETEROGENEOUS SYSTEM MODELING,
- DESIGN AND RELIABILITY ANALYSIS

LaBRI WWW.LABRI.FR
- COMBINATORICS AND ALGORITHMS,
- IMAGE AND SOUND, LANGUAGES, SYSTEMS AND NETWORKS,
- FORMAL METHODS, BIOINFORMATICS AND DATA VISUALIZATION, ALGORITHMS FOR HIGH PERFORMANCE DIGITAL APPLICATIONS

Institut de mathématiques de Bordeaux WWW.MATH.U-BORDEAUX.FR/IMB
- ALGEBRAIC AND MATHEMATICAL SCIENTIFIC COMPUTING
- NUMBER THEORY, GEOMETRY, ANALYSIS, PARTIAL DIFFERENTIAL EQUATIONS AND MATHEMATICAL PHYSICS,
- PROBABILITY AND STATISTICS, SCIENTIFIC CALCULATION AND MODELING, BIOMATHEMATICS

I2M I2M.U-BORDEAUX.FR
- MECHANICS AND ENGINEERING FROM MATERIALS TO CIVIL ENGINEERING,
- INCLUDING DESIGN, MANUFACTURING, TRANSFERS AND CONTROL

* Respecting french regulations

CREATE YOUR OWN PROJECT

What is a research project ?
It is a project with a supervisor, on a subject or area in one of our 4 associated laboratories, depending on your backgrounds, home study requirements and personal taste.

When, Which, What, How ?
- When can I come for a research project ? Whenever you want except August.
- Which level of study ? 3rd year undergraduate students (bachelor) or higher (master).
- What length ? From one week up to 6 months*.
- How can I find a supervisor ? An interactive list of potential subject is available online.

PRE-REQUISITES
English proficiency
GPA 70+
Minimum level is Bachelor 3rd-year

APPLICATION
Deadline: 3 months before arrival

CONTACT
welcome@enseirb-matmeca.fr

APPLY ONLINE AT
international.eirb.fr

BORDEAUX INP and its partner schools

GIVE ENGINEERING A FRENCH TOUCH

7 graduate schools of Engineering in France

2800* students
(selected through national competitive exam)

+900 students graduate* each year

12% international students

17 programs including **5** by apprenticeship

230 faculty members

10 joint research centers

130 partnerships worldwide

14th USINENOUVELLE
TECHNOLOGIES 10th

ENSEIRB-MATMECA- Bordeaux INP

Graduate School of Electronics, Computer Science, Telecommunications, Mathematics and Mechanics

BEFORE YOUR ARRIVAL

APPLICATION
Online application :
international.eirb.fr

HOUSING
- Option to book accommodation in student village
- Institutional assistance in paying deposit
- List of accommodation available upon request

Students may apply online before June 30.

CLUBEE
Clubee welcomes international students and helps them with administrative procedures.
Clubee Enseirb-Matmeca

CONTACT
International Office
+33 (0)5 56 84 23 65
welcome@enseirb-matmeca.fr
INTERNATIONAL.EIRB.FR

WE WELCOME YOU

UPON ARRIVAL IN FRANCE
- Airport pick-up
- Transfer to student accomodation
- Welcome upon arrival at ENSEIRB-MATMECA

UPON ARRIVAL AT ENSEIRB-MATMECA
- Help with academic involvement
- Help with housing (insurance, bond, housing tax...)
- Help with administrative procedures

SUPPORT
- Mentoring : international students can have a student buddy and participate in dedicated social and cultural events
- Faculty tutoring : each student is mentored by a professor during their stay

SOCIAL AND CULTURAL LIFE
- Student clubs and special interest groups
- Alumni network : Bordeaux Alumni www.bordeaux-alumni.com

USEFUL INFORMATION
- CROUS www.crous-bordeaux.fr
- Bordeaux www.bordeaux.fr
- Transport www.infotbm.com
- Visa bit.ly/CarteSéjour

IMS Laboratory – Material & System Integration

- **Research in**
  - Materials, Components,
  - Circuits, Signals,
  - Homogeneous and heterogeneous system modeling,
  - Design and reliability analysis

- **Over 400 staff including 140 professors and researchers**

- **www.ims-bordeaux.fr**

Engineering area

Electrical Engineering

Computer Science

Mathematics and Mechanical Engineering

Telecommunications

LaBRI: Bordeaux Computer Research

- **Research in**
  - Combinatorics and algorithms,
  - image and sound, languages, systems and networks,
  - formal methods, bioinformatics and data visualization, algorithms for high performance digital applications

- **Over 320 staff including 148 professors and researchers**

- **www.labri.fr**

Engineering area

Electrical Engineering

Computer Science

Mathematics and Mechanical Engineering

Telecommunications

IMB: Bordeaux Mathematics Institute

- **Research in**
  - Algebraic and mathematical scientific computing
  - number theory, geometry, analysis, partial differential equations and mathematical physics,
  - probability and statistics, scientific calculation and modeling, biomathematics

- **250 staff including 152 professors and researchers**

- **www.math.u-bordeaux1.fr**

Engineering area

Electrical Engineering

Computer Science

Mathematics and Mechanical Engineering

Telecommunications

I2M: Institute of Mechanics and Engineering

- **Research in**
  - Mechanics and engineering from materials to civil engineering,
  - including design, manufacturing, transfers and control

- **330 staff including 133 professors and researchers**

- **i2m.u-bordeaux.fr**

INRIA: National Research Institute in Informatics & Automatics

- **Research in**
  - A public science and technology institution dedicated to computational sciences
  - Inria, the French National Institute for computer science and applied mathematics, promotes "scientific excellence for technology transfer and society".

- **320 staff including 123 professors and researchers**

- **www.inria.fr**

Engineering area

Electrical Engineering

Computer Science

Mathematics and Mechanical Engineering

Telecommunications

Study with us – Your Research Project

- **Bordeaux Institute of Technology responsabilities**
  - Available Research Information
    - a list of professors and research project for students
  - Selection Process
    - Select appropriate candidate and notify the result
  - Accommodation
    - Arrange accommodation for the participants
  - Others
    - Provide a certificate for research project on the completion of program
    - Supervise the students during the research project period
    - Financial support

- **Your responsabilities**
  - Prepare your application 3 months before starting research project
    - www.enseirb-matmeca.fr or international.eirb.fr
  - Provide all required documentation in due time
    - Administration takes time (visa, accomodation …)

We welcome you !

- **We pick you up at the airport**
  - [International student association takes care of you](#)

- **Easy administrative procedures**
  - Follow-up of visa procedures
  - Quick enrolment in english
  - Efficient security registration process (access badge, research centers specific procedures, …)

- **We prepare your accommodation**
  - [Based on your wishes](#), we can deal with french organism and lodging institutes to book your accommodation.

- **Have an idea of Bordeaux cost of life**
  - http://www.enseirb-matmeca.fr/international/student/budget

How much does it cost ?

Budget	
Fees	0$
Accommodation	200 – 400$ per month
Food	300 – 500$ per month
Medical insurance	0 – 50$ per month
Phone / Internet	30$ all included (illimited data)
Transportation	20$ per month
Leisure etc …	150$ per month, or more …
TOTAL	**700$ per month or more**

For example: a pint is 7$, a bottle of good Bordeaux wine is also 7$!

Welcome at Bordeaux Institute of Technology

≫ Why should I go to Bordeaux ?

≫ What will be my exchange program ?

≫ I want to study at Bordeaux !

≫ **Let's apply !**

3 steps to apply

STEP ① *Application*

- **Define your exchange program**
  - Contact your institution international office
  - Contact us to [make an inquiry](#)
  - [Share your application](#) with us as soon as possible (with resume, bio details, transcripts if required, …)

- **What are the deadlines ?**
  - **For a research project**
    - **3 month prior arrival**
  - **For an academic semester**
    - **15th of May (for a semester starting in September/October)**
    - **15th of October (for a semester starting in February)**

3 steps to apply

STEP ① **2**   *Selection*

- **If your institute is a partner**
  - All fees are waived
  - You complete your enrolment
  - We deliver required documentation for visa, accommodation, insurance, laboratories (if required).
  - Does [my institute have an agreement](#) with Bordeaux Institute of Technology ?

- **If your institute is not a partner**
  - Tuition fees apply
    - Details are provided on line
  - Once paid, we complete your enrolment.

3 steps to apply

STEP ① ② **③**   *Arrival*

- **Prepare your arrival**
    - We keep in touch with you till your visa and accommodation are granted,
    - We wait for your arrival details to pick you up,
    - We help you during your first days at Bordeaux (bank, cell phone, …).

- **Welcome at Bordeaux Institute of Technology**
    - We are very pleased to welcome you,
    - Enjoy your stay at Bordeaux, take the best part of it !

We welcome international students

Choose BORDEAUX !

http://international.eirb.fr

welcome@enseirb-matmeca.fr