EFREI PARIS

Engineering school of digital technologies

EFREI PARIS

ACADEMIC EXCELLENCE

EFREI PARIS: Engineering School of Digital Technologies

- Created in 1936

- Fully accredited by the French Ministry of Higher Education and Research

- Accredited by CTI since1957 and EUR-ACE since 2007

- Member of Campus France

- Member of CGE

- Certified Iso 9001-2008

OUR ORGANIZATION

1 engineering school

1 digital academy

2 alumni associations

1 research laboratory

1 incubator 12 start-ups

1 endowment fund

KEY FACTS

- 1,800 Efrei Paris Engineering students

- 300 Efreitech students

- 11,000 alumni

- 200 faculty members

- 150 active partner companies

- 100 international partner universities

- 300 master's degrees awarded each year

- 20% of engineering degrees awarded to international students

EFREI PARIS: 2017 RANKINGS

L'USINE NOUVELLE

Ranked 3rd among best engineering schools in digital technologies in France
Ranked 2nd among best engineering schools in France offering a five-year integrated master's program
Ranked 1st among best engineering schools in the field of entrepreneurship in France

Challenges

Ranked among the top 10 engineering schools in France offering a five-year integrated master's program
Ranked among the top 15 engineering schools in France offering a postgraduate program

l'Etudiant

Ranked 1st among best postgraduate engineering schools in France for:
- opportunities after graduation
- corporate partnerships
- international opportunities
- academic excellence
- innovation and entrepreneurship
- professional prospects

OUR CAMPUS IN PARIS

- ➢ A modern campus
- ➢ 15 minutes from the center of Paris
- ➢ A close-knit campus community
- ➢ A convivial student life
- ➢ Areas dedicated to student clubs
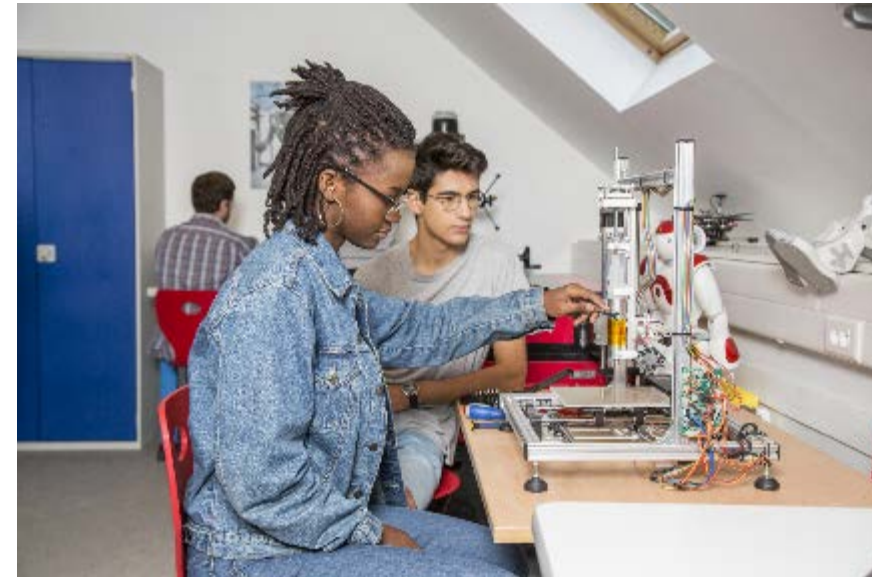- ➢ Restaurant facilities for students
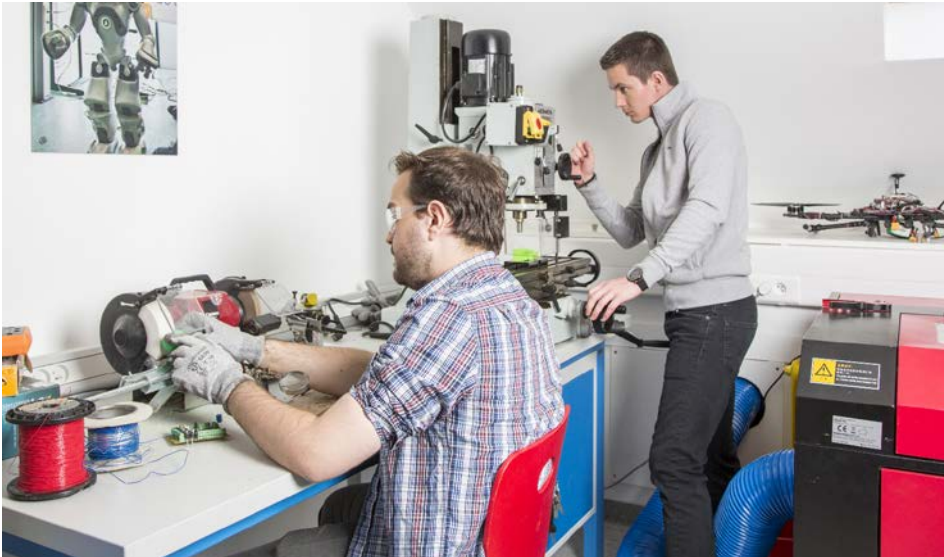
OUR CAMPUS IN PARIS

➢ Several large lecture halls

➢ Modern classrooms

➢ Students spaces for project work

OUR CAMPUS IN PARIS

➢ State-of-the-art computer labs

➢ Student Fablab
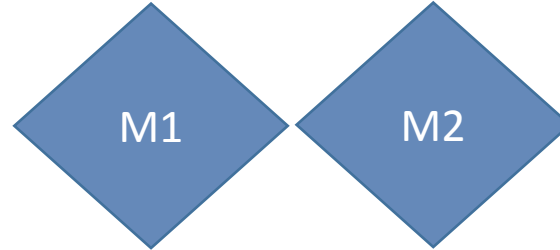
➢ Spaces dedicated to technological innovation

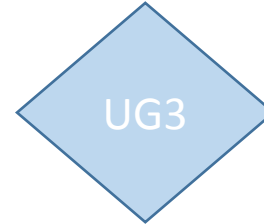# EFREI PARIS

OUR ENGINEERING PROGRAMS

5-YEAR INTEGRATED MASTER'S DEGREE

2-Year Master's Program including
11 months of paid internship
12 majors offered at master's level
6 majors offered in English

M1   M2

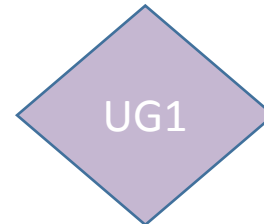Master of Engineering Efrei Paris

National Bachelor delivered by UPEM

UG3

3-Year Undergraduate Program
European ECTS Credits
Partnership with UPEM at bachelor's level
1 semester abroad for all students
1 undergraduate English track

UG2

UG1
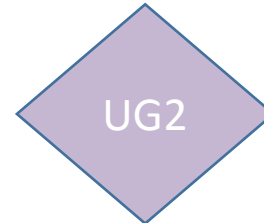
UNDERGRADUATE PROGRAM

70% Scientific Program

30% General Program

Mathematics,
Physics,
Electronics,
Algorithmics,
Information Systems, Software Engineering,
Digital Simulation,
Embedded Systems, Networks and Mobiles

Management,
Critical Thinking & Communication Skills,
Economics,
Marketing,
Intercultural Communication & English

MASTER'S IN INFORMATION SYSTEMS AND CLOUD ENGINEERING

This master's program focuses on

- Designing an IS architecture while taking into account the clients needs
- Improving the functioning of a system while taking into account the latest technological advancements in a continuously evolving context
- Using the cloud as a way of offshoring IT infrastructure

MASTER'S IN SOFTWARE ENGINEERING

This master's program aims at developing IT engineers who are able to design, implement and maintain

- Enterprise software solutions
- Interfaces for the general public (websites, etc.)
- Mobile apps

MASTER'S IN I.T. FOR FINANCE

This master's program aims at developing IT engineers who

- Have a deep understanding of financial systems
- Have the ability to model them mathematically
- Are able to resolve issues specific to complex systems in the financial sector
- Are able to develop adapted software solutions (languages C# and VBA)

These experts are particularly sought by trading rooms and banks.

MASTER'S IN BUSINESS INTELLIGENCE

This master's program trains

- Experts in Business Intelligence
- With an expertise in all of the methods and techniques necessary for data collection and business modelling

Organized in a coherent fashion, this collection of information is used by business decision-makers to better develop their strategy.

MASTER'S IN NETWORKS AND VIRTUALIZATION

We need reliable computer networks, to externalize and secure machines and services.

This master's program aims at developing IT engineers who are able

- To create and ensure secure access to external servers through cloud computing
- To use virtualization to emulate several machines on one to reduce costs

MASTER'S IN BIG DATA

The production of digital data has seen an exponential burst of growth in the last five years. Our Master's program trains experts to

- Collect, store, analyze and protect this mass of diverse data
- Use this data to improve strategies, make better decisions, manage better and foresee future trends

MASTER'S IN INFORMATION SYSTEMS SECURITY

As security has become a strategic challenge, this master's program aims at developing IT engineers who are able to

- Evaluate and limit IT risks
- Design solutions that ensure enterprise data protection
- Control identity and access management
- Ensure data confidentiality and integrity

MASTER'S IN IMAGING AND VIRTUAL REALITY

This master's program allows engineers to successfully evolve in the world of digital imagery.

Applications of imaging and virtual reality include but are not limited to

- Augmented reality
- Medical imaging
- Assisted real or virtual surgery

Our program will allow future engineers to

- Develop their competencies in image processing
- Create animated scenes
- Intensify their characteristics

MASTER'S IN AVIONICS AND SPACE

At a time when air transport is booming and its security is of the highest priority, this program aims at developing IT engineers who have a deep understanding of the technologies and technics at the heart of aviation.

Students will leave this programming with IT engineering expertise at every level of this domain

- Navigation
- Localization
- Communication by voice command
- Data security
- Onboard energy distribution, etc.

MASTER'S IN DROIDS AND DRONES

This master's program focuses on

- Autonomous intelligent/embedded systems
- Humanoid robots and drones

These systems have applications in consumer goods, health care, security, civilian and military surveillance, delivery of goods and materials, etc.

MASTER'S IN RENEWABLE ENERGIES AND SMART GRIDS

In the near future, energy management will be carried out on the municipal and regional level via smart-grids.

In such a context, our Master program prepares engineers to

- Ensure, in real-time, the balance between energy supply and energy demand
- Safeguard the stability of a distribution network that uses a mix of renewable energy sources

MASTER'S IN BIOINFORMATICS

In partnership with **le cnam**

As bioinformatics sits at the crossroads between IT, statistics, biology and medicine, this master's program aims at developing IT engineers who

- Have a complete understanding of the data, tools and current issues in this field
- Are able to create new software that is adapted to the technological progress in biomedicine and IT

CUTTING-EDGE TEACHING/RESEARCH

Big Data & Web Intelligence

Connected Objects & Indoor Localization

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EFREI PARIS

BUSINESS PARTNERSHIPS

INTERNSHIPS

CAREERS

PRIMARY GROUP OF BUSINESS PARTNERS

OBJECTIVES OF OUR BUSINESS PARTNERSHIPS

Create links between…

2,100 students

11,000 alumni

a primary group of 150 businesses

…to…

- Train our students to be young professionals,
- Help them in defining their career goals,
- Give them their first professional experience,
- Ensure their placement in internships and quality careers,
- Further enhance the image of our diplomas,
- Work within a network.

BUSINESS PARTNERS AND OUR STUDENTS CAREERS

Business Fair
- End of October
- 100 business/900 students (undergraduate and graduate)
- Microsoft, Louis Vuitton, CapGemini, Accenture, Thalès, etc.

Project Days
- February and April
- 30 businesses
- Ernst & Young, Dassault Systèmes, Stéria, Société Générale, etc.

Conferences
- October – April
- 1-2 conferences and other speakers each month
- Google, Microsoft, Apple, Orange, EDF, BNP Paribas, etc.

Pedagogy
- October – April (graduate students)
- Courses, workshops, projects, study, job interview simulations, etc.
- Bearing Point, IBM, SAS, Total, Volvo, Danone, Accenture, etc.

Associations
- Year-round
- Sponsorships, competitions, contracts
- HSBC, KPMG, Crédit Agricole, SAS, CGI, Stéria, Samsung, etc.

OUR STUDENTS AS SEEN BY COMPANIES

Why do companies appreciate Efrei Paris interns and engineers?

Technical Competencies
Adaptable, methodological, awareness of quality

Versatile
Knowledge of business stakes, complexity management

Communicative
Communication skills, languages, open-mindedness

Engaged
Recognizing and seizing opportunities, entrepreneurial, determined

Friendly
Modest, fulfilled, sociable

FOCUS ON INTERSHIPS

First Year of Graduate Program

- Technical Internship

- Focused on a domain related to the major.

- April to September (4/5 months)

Second Year of Graduate Program

- March to September

- A springboard for students first job

EFREI ALUMNI: CAREERS

€41,790

average beginning annual gross salary

100% professional integration

94% permanent contracts

6% create businesses

TAKING ACTION AND INNOVATING

Encourage

- Conferences
- Associations
- Educational Projects

Discover

- Professional Project
- Entrepreneurs Spring

Support

- Management Electives
- Competitions
- Internships
- Le Cèdre

Develop

- Business Incubator
- Member of IES!
- Endowment Fund
- Cèdre Involvement
- Audencia Partnership

50 STUDENT ASSOCIATIONS

In the fields of technologies, humanitarianism, entrepreneurship, sports, culture, international, etc.

What students gain from working in associations

teamwork *initiative* innovation *travel* *the taste for a job well done*

project management **parties** leading a team **competitive spirit**

sponsor research **responsibility** **fun** *Result-orientated-culture*

applying coursework **passion** **entrepreneurship**

open-mindedness *organization* **contacts** **managing a budget**

EFREI PARIS

INTERNATIONAL REACH

INTERNATIONAL PARTNER UNIVERSITIES

efrei PARIS
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AMÉRIQUES

Canada
- Bishop's University | Lennoxville
- École de Technologie Supérieure | Montréal
- École Polytechnique de Montréal
- Université du Québec à Montréal
- Université du Québec à Trois-Rivières
- Université du Québec en Outaouais | Gatineau
- Université de Laval | Sainte-Foy (Québec)
- Université du Québec | Chicoutimi (Québec)
- Université de Sherbrooke (Québec)
- Université Concordia | Montréal

États-Unis
- University of Nevada | Las Vegas
- Stony Brook University | Long Island, New York
- Harrisburg University | Harrisburg

EUROPE

Allemagne
- Georg-August Universität | Göttingen
- Technische Universität Braunschweig
- Universität Potsdam
- Hochschule Furtwangen University

Angleterre
- Staffordshire University | Stoke-on-Trent
- University of Bradford
- Coventry University

Autriche
- University of Applied Sciences | Salzburg

Danemark
- University of Southern Denmark | Odense

Espagne
- Universitat Politècnica de Catalunya | Barcelone
- Universidad Europea de Madrid
- Universidad Politècnica | Madrid
- Universidad de Salamanca
- Universidad de Sevilla
- Universidad de Málaga
- Universidad de Zaragoza | Saragosse
- Universitat Politècnica de València

Finlande
- Tampere University of Technology (TUT) | Pori
- Tampere University of Technology

Argentine
- Universidad Nacional del Sur | Bahia Blanca
- Universidad Nacional de San Luis

Brésil
- Instituto Federal de Educaçao, ciencia e tecnologia do Maranhao (IFMA) | São Francisco, São Luís
- Universidade Federal Do Ceara | Fortaleza
- Pontificia Universidade Catolica De Minas Gerais | Belo Horizonte
- Universidade Federal De Minas Gerais | Belo Horizonte
- Fundaçao Universidade Federal de Mato Grosso do Sul

Mexique
- Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM) | Campus de México, Monterrey, Cuernavaca

Irlande
- University College | Cork
- University of Limerick
- Dublin City University

Italie
- Universita Degli Studi di Genova | Gênes

Lituanie
- Vilniaus Gedimino Technikos Universitetas | Vilnius

Norvège
- Norwegian University of Science and Technology | Trondheim

Pologne
- Warsaw University of Technology | Varsovie
- Silesian university of technology (Politechnica Slaska) | Gliwice
- University of Economics | Katowice
- University of Science and Technologies AGH | Cracovie

Portugal
- Universidade tecnica de Lisboa / Instituto Superior Tecnico | Lisbonne
- Universidade Beira Interior | Covilhã

République Tchèque
- Technical University of Ostrava (VSB) | Ostrava-Poruba

Suède
- Chalmers University of Technology | Göteborg
- Jönköping University
- Linnaeus University | Växjö
- Linköping Institute of Technology

Suisse
- Berner Fachhochschule | Bern
- École d'ingénieurs et d'architectes de Fribourg

AFRIQUE / PROCHE-ORIENT

Afrique du Sud
- The Cape Peninsula University of Technology (CPUT) | Cap Town

Cameroun
- École Supérieure d'Ingénieurs d'Afrique Centrale (ESIAC) | Douala
- Institut supérieur du Management et de l'Entrepreneuriat | Douala

Côte d'Ivoire
- Institut des Technologies d'Abidjan (ITA)

Bénin
- Institut Universitaire MathFinEco | Abomey-Calavi

Mali
- Centre International de Conseil, Ingénierie et Formation en Énergie et Développement Durable | Bamako

Israël
- Holon Institute of Technology

Maroc
- Centre des Études Supérieures d'Ingénierie et de Management (CESIM) | Tanger

Tunisie
- École Polytechnique Sousse
- Université Libre de Tunis

Turquie
- Isik University | Istanbul

Sénégal
- École Supérieure de Technologie de Dakar - Groupe IAM | Dakar

Liban
- Université Libanaise | Beyrouth

ASIE / PACIFIQUE

Australie
- Curtin University | Perth

Chine
- Beijing University of Technology | Pékin
- South China University of Technology | Canton
- South East University | Nankin
- Wuhan University of Technology | Wuhan
- Beijing Institute of Petrochemical Technology | Pékin
- Shanghai Normal University
- Xidian University | Xi'an

Corée du Sud
- Korea Advanced Institute of Science and Technology | Daejeon

Inde
- Manipal University
- International Institute of Information Technology | Bangalore
- SRM University | Chennai
- SRM University | Amaravati
- Thapar University | Chandigar
- Vellore Institute of Technology

Japon
- Nagoya Institute of Technology

Malaisie
- Asia Pacific University of Technology & Innovation | Kuala Lumpur

Singapour
- Nanyang University of Technology

Taïwan
- National Taipei University
- Taiwan Yuan Ze University | Zhongli City

DÉCOUVREZ LES UNIVERSITÉS PARTENAIRES DE L'EFREI PARIS

- Partenariat Efrei Paris
- Semestres d'études en L3
- Classes préparatoires délocalisées
- Doubles-diplômes internationaux

EXCHANGE PROGRAM & RESEARCH INTERNSHIPS

- Exchange programs open to undergraduate (4th year B. Tech) or graduate students of partner universities

- Tuition fees are waived for these programs

- Nominations to be submitted by the international office of the partner university prior to sending the applications

- Fall Application Deadline: 30 May
- Spring Application Deadline: 30 October

CANDIDATES FOR THE GRADUATE PROGRAM

Requirements

- B. Eng or B. Tech. in Computer Sciences , Telecommunication and Networks, Software Engineering
- Minimum CGPA 8
- No GRE required
- TOEFL IBT 85, IELTS 6.5

Application deadline for all applicants
30 May

Tuition fees

- €10,600 per year
- Partial tuition fees waiver for students from partner universities

INTERNATIONAL ORIENTATION

Beginning of September

- Assistance with administrative procedures
- Practical help with getting settled in Paris
- Cultural visits in and around Paris
- Social activities organized by our international student club, Efrei International

ACCOMMODATION

- Possibility to apply for Efrei's reservation service

- Accommodation in Paris or its surrounding suburbs

- Cost of accommodation between €600 and €800 in the Paris region

- Possibility to apply for a government accommodation allowance (APL/ALS)

COST OF LIVING

Average cost of housing with APL …. €500
Monthly transportation………………… €75
Food and other expenses …………… €325

Total monthly expenses   €900

Average cost of a cinema ticket with a student discount.....€7
Average cost of soft drinks in a Paris café …………………€4.50
Average cost of lunch on campus…………….…………€4
Average cost of a main dish in restaurants……………...€15

MORE INFORMATION ?

www.efrei.fr/en

international@efrei.fr

THANK YOU
FOR YOUR ATTENTION