A photograph of students in a modern, brightly lit classroom or office environment. In the foreground, three students are seated at a white table. A man on the left is gesturing with his hand while talking to two other students, a man and a woman, who are looking at a laptop. In the background, other students are standing and talking near large windows that offer a view of a green landscape.

**Engineer  
your future  
in France**

**ESIGELEC**   
SCHOOL OF ENGINEERING  
SMART AND CONNECTED SYSTEMS  
ROUEN | POITIERS



# MASTER OF TECHNOLOGY

*In association with* **INSA**  
ROUEN NORMANDIE



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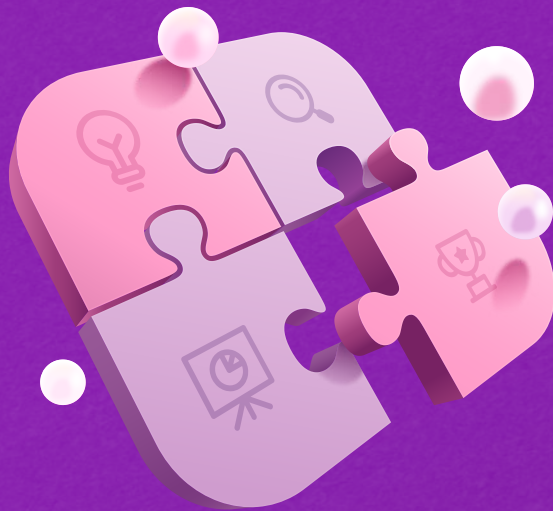
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What do we mean when we say

# “Graduate study is about you?”

You may be tempted to choose a program based on the graduate school, the country or even the culture you wish to experience. Although these are valuable add-ons to your personal and professional goals, choosing an advanced degree that is best suited for **you**, requires some simple considerations.



## Take stock of **your** passions and motivations

Understand the unique ‘why’ behind **your** big investment.

What do **you** hope to achieve? Specialised knowledge, better career opportunities & salary potential, or a lifelong personal goal – whatever **your** ‘why’, choose a program that gets **you** started on **your** path.





## Keep *your* career goals in mind

The program you choose must reflect ***your*** career interests and prospects. The skills ***you*** acquire (specialised or generic) must prepare ***you*** to meet ***your*** career goals head-on and arm ***you*** with knowledge that you can actually apply in the real world.

## Find a program that fits *you*

Pay attention to the structure and focus of each program, and ensure that it aligns with the educational experience that will provide most value to ***you***. Determine if it fits your lifestyle and the kind of graduate experience ***you'd*** like to have.

Graduate study must open new doors and serve as a stepping stone to greater things for YOU!

**LET'S GET TO WORK!**

# MASTER OF TECHNOLOGY

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Our master's programs are taught entirely in English. The curriculum design and the mandatory 4–6-month internship at the end of the program, enable students to gain work experience while studying. We pride ourselves on moulding graduates who have a head start on being industry-ready!

You can choose multiple entry points for your Master's program:


- **24 months / 4 semesters**  
(intake in September only)
- **18 months / 3 semesters**  
(intake in February only)

**Note:**

For more information, refer to the section on program eligibility (Page 24).



*\*The decision on admission to the 24-months or the 18-month program is taken after review of the application, even if the applicant meets all criteria and at the sole discretion of ESIGELEC.*



# Master of Technology in Software Engineering & Digital Transformation

At its heart, technology enables huge amounts of data to be collected and communicated, transforming how industry and society work. Digital technologies are used to create or reinvent business processes, culture and customer experiences to meet the needs of growing businesses or changing markets. This reimagining of business in the digital age is digital transformation.

Software development and digitisation are a vital part of modern society and work in tandem in today's business environment.

In this program, develop advanced knowledge and expertise in the design and development of software or digital services. Learn to apply your engineering principles of software and systems development to transform and modernise digital assets for businesses. Develop skills to create and manage processes with an innovation mindset.



## Courses & ECTS Credits

### Software Engineering & Digital Transformation

Semester 1: 30 Credits / 354 hours				
Courses	Modules	Duration (hours)	Weight	ECTS Credits
Computer Science 1	Introduction to Object Oriented Programming with Java	40	3	8
	Fundamentals of Data Communication and Networking	24	2	
	Fundamentals of Web-Centric Development	30	3	
Digital Electronics	Binary Logic & Digital Functions	30	3	9
	LabView	30	3	
	C Programming	30	3	
Communication & Language	Cross Cultural Awareness and Working in a Team	36	3	6
	French as a Foreign Language / English as a Foreign Language	60	3	
Specialized Courses for SEDT	Java Project	50	4	7
	Database Management Systems	24	3	
Total Credits				30

## Semester 2: 30 Credits / 340 hours

ourses	Modules	Duration (hours)	Weight	ECTS Credits
<b>Computer Science 2</b>	Enterprise Network	20	2	13
	Object Oriented Programming with Java EE	40	4	
	Development of Mobile Application	40	4	
	Intro to .NET Framework (C#)	24	3	
<b>Business Intelligence</b>	Analysis & Design with UML	32	2	12
	Big Data: Challenges & Opportunities	40	4	
	PL/SQL Programming for Databases	20	2	
	Artificial Intelligence: Principles & Techniques	30	2	
	Data Driven Applications with R	20	2	
<b>Communication &amp; Language 2</b>	Oral Communications & Presentation Skills	14	1	5
	French as a Foreign Language / English as a Foreign Language	60	4	
<b>Total Credits</b>				<b>30</b>

**Semester 3: 30 Credits / 336 hours**

Courses	Modules	Duration (hours)	Weight	ECTS Credits
<b>Information Systems</b>	Cloud Computing	30	2	10
	Information Systems & Organizations	20	3	
	Information System Security	30	3	
	Web-centric Development & ASP.NET	20	2	
<b>Business Management</b>	Management Control & Business	32	3	7
	Marketing in a Technical Environment	22	3	
	Intellectual Property & Internet Protection Laws	12	1	
<b>Project Development &amp; Management</b>	Project management	30	2	9
	R & D Project	80	7	
<b>Foreign Language</b>	French as a Foreign Language / English as a Foreign Language	60	4	4
<b>Total Credits</b>				<b>30</b>
<b>Semester 4: Internship of 4 to 6 months</b>				





## Master of Technology in Electronic Embedded Systems

Inside a mechanical or electrical system, there will often be smaller individual parts that have specific functions to carry out – these parts are known as embedded systems. Computers, hybrid power vehicles, electronic voting machines, ATMs and video game consoles – all contain electric embedded systems that give them the ability to carry out specific tasks.

The design, creation, testing and finally, implementation of embedded systems requires a thorough understanding of processing systems, user interfaces, technical computing and artificial intelligence. These disciplines form some of the core components of our Master's program in embedded system design.

## Courses & ECTS Credits

### Electronic Embedded Systems

Semester 1: 30 Credits / 354 hours				
Courses	Modules	Duration (hours)	Weight	ECTS Credits
<b>Computer Science 1</b>	Introduction to Object Oriented Programming with Java	40	3	8
	Fundamentals of Data Communication and Networking	24	2	
	Fundamentals of Web-Centric Development	30	3	
<b>Digital Electronics</b>	Binary Logic & Digital Functions	30	3	9
	LabView	30	3	
	C Programming	30	3	
<b>Communication &amp; Language</b>	Cross Cultural Awareness and Working in a Team	36	3	6
	French as a Foreign Language / English as a Foreign Language	60	3	
<b>Specialized Courses for EES</b>	Bibliographical Study	12	1	7
	Digital Electronics Project	32	3	
	Fundamentals of Electronics	30	3	
<b>Total Credits</b>				<b>30</b>

**Semester 2: 30 Credits / 392 hours**

Courses	Modules	Duration (hours)	Weight	ECTS Credits
<b>Digital Systems</b>	Microprocessors	60	4	8
	VHDL & Logic Synthesis	30	2	
	Communication Busses	30	2	
<b>Embedded Operating Systems</b>	Real Time Operating Systems	30	3	6
	Embedded Linux	30	3	
<b>Embedded Software</b>	Embedded C programming	30	2	6
	Analysis & Design with UML	32	2	
	Embedded Java	30	2	
<b>Instrumentation</b>	Smart Sensors	30	3	6
	Specific Instrumentation	30	3	
<b>Communication &amp; Language 2</b>	French as a Foreign Language / English as a Foreign Language	60	4	4
<b>Total Credits</b>				<b>30</b>



### Semester 3: 30 Credits / 330 hours

Courses	Modules	Duration (hours)	Weight	ECTS Credits
<b>Embedded Communication</b>	IoT Architectures and Protocols	30	4	10
	Python Programming & Image Treatments	30	3	
	Android Programming	30	3	
<b>Embedded Electronics</b>	System on Chip	20	2	6
	DSP Processors	20	2	
	Safety Systems	20	2	
<b>Communication &amp; Language 3</b>	Oral Communication & Presentation Skills	14	1	5
	French as a Foreign Language / English as a Foreign Language	60	4	
<b>Project Development &amp; Management</b>	Project Management	30	2	9
	R&D Project	80	7	
<b>Total Credits</b>				<b>30</b>

### Semester 4: Internship of 4 to 6 months

# WHO YOU CAN BE

## Career Prospects

With our Master's programs, gain expertise to take on challenges in the real world. Master the fundamentals and develop versatile skill sets to manage people, projects and resources in complex organisational settings.

**Apply your deep know-how and tackle real-world problems as an industry-ready graduate from ESIGELEC.**

## Opportunities

Software Engineering & Digital Transformation	Electronic Embedded Systems
Software Systems Design	Embedded Systems Engineer
Engineer/Maintenance Engineer	Design Engineer
Software Developer	Project Manager
Project Manager	Communications Engineer



# WE'LL HELP YOU GET THERE WITH OUR SCHOLARSHIPS

At ESIGELEC, we believe that bringing students together from different walks of life and from around the globe helps us grow – broadening our exposure and challenging our perceptions. We offer a range of scholarships, based on the program you choose, to help you achieve your academic goals and experience Europe.

***Find a scholarship that brings you  
closer to realising your dreams.***



# SCHOLARSHIPS COMMON TO BOTH INTAKES (SEPTEMBER AND FEBRUARY)

## WOMEN'S EMPOWERMENT SCHOLARSHIP

We want more women power at ESIGELEC!

**VALUE: 500 €**

### ELIGIBILITY

Available to women applicants only.

## THE FAMILY SCHOLARSHIP

As the name suggests, this scholarship is for family members of our current or past students.

**VALUE: 500 €**

### ELIGIBILITY

Be a family member of a current/past student of ESIGELEC.

Important: Applicants must upload an English-translated official document that shows the relationship in the UPLOAD DOCUMENTS section of ESIGELEC ONESTOP, our application portal, at the time of applying.

## ENGLISH LANGUAGE PROFICIENCY AWARD

Good English language skills can only enhance our applicants' learning experience, hence this award.

**VALUE: 500 €**

### ELIGIBILITY

Available to applicants with a minimum score in any of the following tests:

IELTS – 7, TOEFL 94 – 101, PTE (overall) – 66.3, Duolingo – 115-120, Canadian Language Benchmark – 9, CEFR – C1

## NEXUS FRENCH

This scholarship is for applicants who make the effort of learning French and prove level A2.

**VALUE: 750 €**

### ELIGIBILITY

Level A2

Available for: English-taught Master Programs in Software Engineering & Digital Transformation OR Electronic Embedded Systems.

*Important: Applicants must upload the certificate on ESIGELEC ONESTOP, our online application portal, at the time of applying, if available, OR before arrival in France.*

## THE STRONG APPLICATION AWARD

This award encourages applicants to pay attention to all parts of their applications.

**VALUE: 500 €**

### ELIGIBILITY

The overall strength of the application is evaluated: quality of the interview, quality of the letter of recommendation (the referee should take trouble to talk about the applicant in a dispassionate manner), prior knowledge of the program of choice, prior knowledge of ESIGELEC and prior knowledge of French higher education must be demonstrated by the applicant.

## SCHOLARSHIPS FOR INTAKE IN SEPTEMBER 2025 (4 SEMESTERS)\*

### THE INTERNATIONAL YOUNG ACHIEVER AWARD

This scholarship recognises and rewards applicants with outstanding academic records.

#### VALUE:

4,500 € for students with a 4-year Bachelor's degree in a related field.

5,000 € for students from a partner university, with a 4-year Bachelor's degree in a related field.

3,000 € for students with a 3-year Bachelor's degree in a related field.

3,500 € for students from a partner university, with a 3-year Bachelor's degree in a related field

#### ELIGIBILITY

CGPA – 9 (or equivalent)

### THE ESIGELEC MERIT AWARD

This scholarship recognises and rewards applicants with good academic records.

#### VALUE:

2,000 € for students with a 4-year Bachelor's degree in a related field.

2,500 € for students from a partner university, with a 4-year Bachelor's degree in a related field

1,500 € for students with a 3-year Bachelor's degree in a related field

2,000 € for students with a 3-year Bachelor's degree, from a partner university, in a related field.

#### ELIGIBILITY

Min. CGPA – 7.5 – 8.9 (or equivalent)

## THE GRE AWARD

While a GRE score is not a mandatory requirement, applicants with a score of 300+ will receive this award.

### VALUE:

2,000 € for students with a 4-year Bachelor's degree in a related field.

2,500 € for students from a partner university, with a 4-year Bachelor's degree.

1,500 € for students with a 3-year Bachelor's degree in a related field

2,000 € for students with a 3-year Bachelor's degree, from a partner university, in a related field.

### ELIGIBILITY

Minimum GRE score of 300

## THE ESIGELEC PARTNER AWARD

This scholarship is for students from our partner universities, who do not meet the academic criteria for THE YOUNG ACHIEVER AWARD or THE ESIGELEC MERIT AWARD.

**VALUE: 750 €**

### ELIGIBILITY

Currently studying or an alumnus from one of our partner universities abroad.

## EARLY BIRD DISCOUNT

**VALUE: 1,000 €**

### ELIGIBILITY

Available for applications submitted before 31<sup>st</sup> March 2025

# SCHOLARSHIPS FOR INTAKE IN FEBRUARY 2026 (3 SEMESTERS)\*

## THE INTERNATIONAL YOUNG ACHIEVER AWARD

This scholarship recognises and rewards applicants with outstanding academic records.

### VALUE:

3,000 € for students with a 4-year Bachelor's degree in a related field.

3,500 € for students from a partner university, with a 4-year Bachelor's degree in a related field.

### ELIGIBILITY

Min. CGPA – 9 (or equivalent)

*\*Ref our list of partner universities on page 23*

## THE ESIGELEC MERIT AWARD

This scholarship recognises and rewards applicants with good academic records.

### VALUE:

1,500 € for students with a 4-year Bachelor's degree in a related field.

2,000 € for students with a 4-year Bachelor's degree in a related field.

### ELIGIBILITY

Min. CGPA – 7.5 – 8.9 (or equivalent)

## THE GRE AWARD

While a GRE score is not a mandatory requirement, applicants with a score of 300+ will receive this award.

### VALUE:

1,500 € for students with a 4-year Bachelor's degree in a related field.

2,000 € for students with a 4-year Bachelor's degree in a related field.

### ELIGIBILITY

Minimum GRE score of 300

## THE ESIGELEC PARTNER AWARD

This scholarship is for students from our partner universities, who do not meet the academic criteria for THE YOUNG ACHIEVER AWARD or THE ESIGELEC MERIT AWARD.

**VALUE: 500 €**

### ELIGIBILITY

Currently studying or an alumnus from one of our partner universities abroad.

## EARLY BIRD DISCOUNT

**VALUE: 500 €**

### ELIGIBILITY

Available for applications submitted before 30<sup>th</sup> September 2025

\*Once the application is reviewed, the Admissions Office will grant all scholarships automatically, based on the criteria defined for each of them. Applicants eligible for more than one scholarship will receive the ones that benefit them the most but of a maximum value of 6,000 € for the intake in September and 4,500 € for the intake in February. Scholarships that are offered to the applicant will be mentioned in the Conditional Offer Letter.

\*For further details on each scholarship, visit [www.esigelec.fr](http://www.esigelec.fr)

\*All scholarships are awarded in the form of waivers from tuition fees.

\*Scholarships are granted at the sole discretion of ESIGELEC.

# KEY DATES FOR UPCOMING INTAKES

## Autumn 2025 : Zone-wise Deadlines

Applicants from Afghanistan, Algeria, Bahrain, Bangladesh, Egypt, Indonesia, Iran, Iraq, Jordan, Kenya, Kuwait, Lebanon, Libya, Mali, Nigeria, Oman, Palestine, Qatar, Saudi Arabia, Somalia, South Sudan, Sudan, Syria, Pakistan

- Application deadline: **30<sup>th</sup> April 2025**
- Scholarship deadline: **31<sup>st</sup> March 2025**
- Early Bird discount deadline: **28<sup>th</sup> February 2025**

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Other countries

- Application deadline: **30<sup>th</sup> June 2025**
- Scholarship deadline: **30<sup>th</sup> April 2025**
- Early Bird discount deadline: **31<sup>st</sup> March 2025**

---

Applicants from EU, EEA + EU candidate countries

- Application deadline: **10<sup>th</sup> July 2025**
- Scholarship deadline: **30<sup>th</sup> April 2025**
- Early Bird discount deadline: **31<sup>st</sup> March 2025**

*Apart from meeting the eligibility criteria and the deadlines, successful applicants must also pay 5,000 Euros instead of 1,000 Euros to secure the offer of admission to receive scholarships*



## KEY DATES FOR UPCOMING INTAKES

### Spring 2026 : Zone-wise Deadlines

Applicants from Afghanistan, Algeria, Bahrain, Bangladesh, Egypt, Indonesia, Iran, Iraq, Jordan, Kenya, Kuwait, Lebanon, Libya, Mali, Nigeria, Oman, Palestine, Qatar, Saudi Arabia, Somalia, South Sudan, Sudan, Syria, Pakistan

- Application deadline: **31<sup>st</sup> October 2025**
- Scholarship deadline: **30<sup>th</sup> September 2025**
- Early Bird discount deadline: **31<sup>st</sup> August 2025**

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Other countries

- Application deadline: **30<sup>th</sup> November 2025**
- Scholarship deadline: **31<sup>st</sup> October 2025**
- Early Bird discount deadline: **30<sup>th</sup> September 2025**

---

Applicants from EU, EEA + EU candidate countries

- Application deadline: **10<sup>th</sup> December 2025**
- Scholarship deadline: **31<sup>st</sup> October 2025**
- Early Bird discount deadline: **30<sup>th</sup> September 2025**

*Apart from meeting the eligibility criteria and the deadlines, successful applicants must also pay 5,000 Euros instead of 1,000 Euros to secure the offer of admission to receive scholarships*

## INTERNATIONAL ACADEMIC PARTNERS 2024/2025

Our university partners across the globe!  
Check if your university is one of ESIGELEC's partners and become eligible for scholarships.

### EUROPE

Germany	Mannheim	Hochschule Mannheim
	Erlangen	Friedrich-Alexander Universität Erlangen-Nürnberg*
	Kassel	Universität Kassel
	Aalen	Hochschule Aalen
Belgium	Mons	Haute-Ecole en Hainaut - sciences et technologies
	Brussels	ECAM
	Liège	Haute Ecole de la Province de Liège HEPL
Spain	Madrid	Universidad Politécnica de Madrid, ETSIST*
	Valencia	Universidad Politecnica de Valencia, ETSID
	Valencia	Universidad Politécnica de Valencia, ETSInf
	Oviedo	Universidad de Oviedo, EPI Gijón
	Terrassa	Universidad Politécnica de Catalunya, BarcelonaTech, ESEIAAT
	Palma	Universitat de les Illes Balears
	Seville	Universidad de Sevilla
Finland	Turku	Åbo Akademi University
Hungary	Budapest	Budapest University of Technology and Economics
	Győr	Szechenyi Istvan University
	Pécs	University of Pécs
Ireland	Dublin	Dublin City University
Italy	L'Aquila	Università degli studi dell'Aquila
	Naples	Università degli studi di Napoli Federico II
Latvia	Riga	Riga Technical University
Poland	Gdańsk	Politechnika Gdanska
	Wrocław	Wrocław University of Science and Technology
Portugal	Faro	Universidade do Algarve*
	Braga	Universidade do Minho*
	Vila Real	Universidade de Trás-os-Montes e Alto Douro
Czech Republic	Brno	Brno University of Technology
Romania	Bucharest	Universitatea Politehnica din Bucuresti
United Kingdom	Cranfield	Cranfield University
Slovenia	Ljubljana	Univerza v Ljubljana
Sweden	Sundsvall/Osters	Mid Sweden University*

<b>Switzerland</b>	Geneva	HES-SO hepia
<b>Turkey</b>	Istanbul	Istanbul Technical University

\* currently being renewed

## AMERICAS

<b>Argentina</b>	Bahia Blanca	Universidad Nacional del Sur (UNS)
<b>Brazil</b>	Curitiba	Universidade Tecnológica Federal do Paraná (UTFPR)
	Curitiba	Pontifícia Universidade Católica de Paraná (PUCPR)
	Fortaleza	Universidade Federal do Ceará (UFC)*
	Fortaleza	Instituto Federal de Educação, Ciência e Tecnologia do Ceará (IFCE)
	Redenção	Universidade da Integração Internacional de Lusofonia Afro-Brasileira (UNILAB)
<b>Canada</b>	Hamilton	McMaster University*
	Chicoutimi	Université du Québec à Chicoutimi (UQAC)
	Montreal	École de Technologie Supérieure (ÉTS)
<b>Colombia</b>	Bogotá	Universidad de Los Andes*
	Bogotá	Universidad El Bosque
<b>United States of America</b>	Rolla	Missouri S&T*
	Chicago	Illinois Tech
<b>Mexico</b>	Mexico	Tecnológico de Monterrey (ITESM)*
<b>Peru</b>	Lima	Pontificia Universidad Católica del Perú

\* currently being renewed

## ASIA

<b>China</b>	Hangzhou	Zhejiang University (ZJU)
	Beijing	Beijing Jiaotong University (BJTU)
	Shanghai	Shanghai Jiao Tong University (SJTU)
	Xi'an	Xidian University
	Chengdu	Univ. of Electronic Science & Technology of China (UESTC)
	Jinan	Shandong University
	Jinan	Centre de formation TUCAR
<b>India</b>	Manipal	Manipal Academy of Higher Education (MAHE)
	Chandigarh	Chitkara University
	Kolkata	Lovely Professional University
	Kochi	Muthoot Institute of Technology and Science (MITS)
	Bangalore	New Horizon College of Engineering
	Vadodara	Parul University
	Vellore	VIT University
	Chittoor	The Apollo University

<b>Indonesia</b>	Jakarta	Universitas Gunadarma
<b>Japan</b>	Omota	National Institute of Technology - Ariake KOSEN
<b>Sri Lanka</b>	Colombo	American International Campus (AIC), centre de formation
<b>Taiwan</b>	Taichung	Tunghai University

\* currently being renewed

## AFRICA

<b>Algeria</b>	Blida	Université de Blida 1
<b>Benin</b>	Cotonou	Collège Père Aupiais
<b>Cameroon</b>	Yaoundé	Collège Vogt
	Yaoundé	Institut Saint-Jean
<b>Ivory Coast</b>	Yamoussoukro	Institut National Polytechnique Félix Houphouët-Boigny (INP-HB)
	Abidjan	Université Internationale des Sciences appliquées et du Management (UISTAM)
<b>Ghana</b>	Kumasi	Kwame Nkrumah University of Science and Technology (KNUST)
<b>Senegal</b>	Dakar	Ecole Supérieure Multinationale des Télécoms (ESMT)
	Dakar	Collège Sacré-Cœur
<b>Togo</b>	Lomé	Lomé Business School
<b>Tunisia</b>	Tunis	Université de la Manouba - Ecole Nationale des Sciences de l'Informatique
	Sousse	Université de Sousse - Ecole Nationale d'Ingénieurs de Sousse (ENISO)
	Tunis	Polytech International Group
	Tunis	Université SESAME
	Tunis	Université Ibn Khaldoun (UIK)
	Sousse	Institut Sup. d'Informatique et Technologies de Communication de Sousse (ISITcom)
	Tunis	Université Libre de Tunis - Institut Supérieur Polytechnique Privé (ISPP)
	Tunis	Université Arabe de Sciences - Ecole Supérieure d'Ingénieurs et des Etudes Technologiques (ESIET)
	Sfax	Université Nord Américaine Privée - Institut International Technologique (IIT)

\* currently being renewed

## OCEANIA

<b>Australia</b>	Melbourne	Royal Melbourne Institute of Technology (RMIT)*
	Sydney	University of Technology Sydney (UTS)
	Perth	Murdoch University*
<b>New Zealand</b>	Auckland	AUT University

\* currently being renewed

# DISCOVER FRENCH BEFORE YOU ARRIVE!

Get a head start on your engineering journey  
by learning French online with us!

---

## WHEN & WHERE

For students holding a final offer letter, our French language classes run from April to July for the September intake and from September to December for the February intake.

## HOW IT WORKS

Once you have your final offer letter, hop onto ESIGELEC ONETOP and find the Learn French Online page.

- Pay 400 Euros online.
- Upload proof of payment.
- Receive your registration confirmation.
- Get your course materials (e-book) and meeting link one week before classes begin.

## COST

400 €

## LEVELS OFFERED

A1 & A2

## WHY JOIN? (AS IF YOU NEED REASONS!)

- Settle in Smoothly: Adjust to your new environment like a pro.
- Decode the Culture: Understand French customs and enjoy every moment of your stay.
- Make Friends Fast: Break the ice with fellow students before you even arrive!

---

## AND HERE'S THE CHERRY ON TOP

Clear the A2 level, and you'll qualify for our Nexus French Scholarship worth 750 Euros. How's that for motivation?



# THEIR EXPERIENCES, YOUR FUTURE



## Agnika Routh

*ESIGELEC Alumna*

At ESIGELEC, both the academic and student experiences were worth every moment. The curriculum was well planned and holistic, and I received personal attention for all my assignments. The practical projects and internships gave me a glimpse of the real world and my technical, management and communication skills improved significantly. I even learned some French!

The on-campus facilities at ESIGELEC are very good. The immensely experienced faculty as well as the students, come from all over the world. Studying at ESIGELEC was a truly international experience and yet, one that made me feel at home.

## Inès Cornille

*Student@ESIGELEC*

I am now in the 1st year of an engineering program. I chose ESIGELEC because it offers double degrees and a very international outlook. I also like the wide range of majors that are offered by the school.

I have been exploring Rouen and its surroundings. It's a very pretty city with lots to visit and has something for everyone: historical sites, restaurants, shops, events held on the banks of the Seine... It is a very welcoming city with a good transport system that allows you to discover nearby cities such as Vernon, Le Havre, Etretat or even Paris. And Rouen is less than an hour from the beach!



# DO YOU HAVE WHAT IT TAKES?

## Entry Requirements

### 24-month (4-semester) format:

#### Students with:

- A 3-year Bachelor's degree in Computer Science or a related field for the Software Engineering & Digital Transformation specialisation and Electronics or a related field for the Electronic Embedded Systems specialisation
- Or**
- A 4-year Bachelor's degree from a different field of engineering, who wish to shift to the software industry
- Or**
- A 4-year Bachelor's degree in a related field of study, who wish to do a two-year program

## Entry Requirements

### 18-month (3-semester) format:

#### Students with:

- A 4-year Bachelor's degree in Computer Science / IT or a related field for the Software Engineering & Digital Transformation Program
- Or**
- A 4-year Bachelor's degree in Electronics or a related field for the Electronic Embedded Systems Program

#### Note:

The degree awarded for both program formats (24 months or 18 months) will be the same.



## You do **not** need a test score **but** English proficiency is the key

The MTech program is fully English-taught, it is important therefore, for you to have a good command of the language. Basic English will not be sufficient because you will be expected to speak, read and write in an academic context. Your classes, assignments, and exams will be conducted in English, just as your projects, presentations and group discussions. Moreover, life on campus will be easier to navigate because you can make friends easily and your chances of getting an internship or a job in multinational companies will be higher.

If you are interested in the program but are not confident of your English language proficiency, it may be worth your time taking classes in English before your departure.

**The best part there's a scholarship of 500 Euros for applicants with a good level of English.**

Test scores we accept for the scholarship are the following:

IELTS	(min. score 7)
TOEFL	(min score 94 – 101)
PTE	(overall, min. score 66.3)
Duolingo	(min score 115-120)
Canadian Language Benchmark	(min score 9)
CEFR	(min level C1)

## INTERNATIONAL GRADE CONVERSIONS

The following information will serve as guide to prospective international students, in estimating their eligibility to the MTech program. However, the content is indicative and should not be used as an official measure of admissibility.

Country	Conversion	Country	Conversion	Country	Conversion
Afghanistan	85%	Burkina Faso	15 out of 20	El Salvador	8 out of 10
Albania	8 (Good) on a 10-point scale	Burundi	75	England	Second Class, Upper Division
Algeria	12 out of 20	Cameroon	12 out of 20	Eritrea	3.5 out of 4
Argentina	7 out of 10 (Bueno)	Central African Republic	14 out of 20	Estonia	4 out of 5
Armenia	4 out of 5; 7.5 out of 10 ;Good; Diplome, Magistrosoi Kochum	Chad	14 out of 20	Ethiopia	3 out of 4
Australia	70%; 6 out of 7; Second Class Honours Upper Division;	Chile	5 out of 7	Fiji	3 out of 4; B
Austria	2 out of 5 (reversed scale); Gut	China	(People's Republic) 80%; 4 out of 5; B	Finland	2 out of 3; 3 out of 6; Cum Laude Approbatur
Azerbaijan	4 out of 5 (Good)	China Macao SAR	B	France	13 out of 20
Bahamas	3 out of 4; Second Class, Upper Division	Colombia	3.5 out of 5	Gabon	14 out of 20
Bahrain	80%; 3 out of 4	Commonwealth Caribbean Region	Upper Second Class Honours	Gambia	3 out of 4.3; B
Bangladesh	60%; 3 out of 4; 60; First Class/Division	Congo	15 out of 20	Georgia	4 out of 5
Belarus	4 out of 5; 8 out of 10; Good	Congo, Democratic Republic of (Zaire)	60%	Germany	2.5 out of 6 (reversed scale); Gut
Belgium	14/20 or "avec distinction" or "met onderscheiding"	Costa Rica	80%; 8 out of 10	Ghana	3 out of 4; B; Second Class, Upper Division
Belize	B; Second Class Upper Division	Cote D'Ivoire	14 out of 20	Greece	7 out of 10
Benin	13 out of 20	Croatia	4 out of 5	Guatemala	80%; Very Good
Bhutan	60%; First Class/Division	Cuba	80%; 4 out of 5	Guinea	13 out of 20

Country	Conversion	Country	Conversion	Country	Conversion
Bolivia	75%; Bueno	Cyprus	80%; 3 out of 4; 7.5 out of 10	Guyana	B
Bosnia and Herzegovina	4 out of 5	Czech Republic	2 out of 5 (reversed scale); Very Good	Haiti	75%
Botswana	70%; Second Class, First Division	Denmark	7 out of 12 (after August 2007) 8 out of 13 (prior to August 2007)	Honduras	80%; Very Good
Brazil	7 out of 10	Dominican Republic	3 out of 4	Hong Kong SAR China	Second Class Honours Upper Division
Brunei/Darussalam	Second Class Honours (Upper Division)	Ecuador	80%; 8 out of 10	Hungary	4 out of 5
Bulgaria	4.5 out of 6	Egypt	75%; Very Good	Iceland	7 out of 10
India	60%; 7 out of 10; First Class Standing/Division	Macedonia	8 out of 10	Pakistan	65%; First Class/Division
Indonesia	3 out of 4	Madagascar	15 out of 20	Palestine	Very Good
Iran	15 out of 20	Malawi	70%	Panama	81%
Iraq	70% in non science, 60% in science field	Malaysia	Second Class (Upper Division)	Papua New Guinea	Class II, Division A
Ireland	Second Class, Upper Division	Mali	14 out of 20	Paraguay	80%; 4/5; Very Good
Israel	70%	Malta	Second Class Honours, Upper Division	Peru	14 out of 20
Italy	24 out of 30	Mauritania	15 out of 20	Philippines	2 out of 5 (reversed scale)
Jamaica	Second Class Honours, Upper Division	Mauritius	Class II, Division I	Poland	4/5; Good
Japan	70%; B	Mexico	80%; 8 out of 10	Portugal	15 out of 20
Jordan	80%	Moldova	8 out of 10	Puerto Rico	3 out of 4; 80%
Kazakhstan	4 out of 5	Mongolia	85%	Qatar	4 out of 5
Kenya	Second Class Honours, Upper Division	Montenegro	8 out of 10	Romania	7.5 out of 10
Korea, Republic of	82%; 3.3 out of 4.5	Morocco	12 out of 20	Russian Federation	4 out of 5; Good
Kuwait	80%; 6.5 out of 9	Mozambique	16 out of 20	Rwanda	80; Grande Distinction
Kyrgyzstan	4 out of 5	Myanmar	4 out of 5	Saudi Arabia	80%; 3 out of 4; Very Good; B



Country	Conversion	Country	Conversion	Country	Conversion
Lao People's Demo Republic	7.5 out of 10	Namibia	75%	Senegal	14 out of 20
Latvia	4 out of 5	Nepal	First Class/Division	Serbia	8 out of 10
Lebanon	75 – 80%; 3 out of 4; 15 out of 20	Netherlands	7 out of 10	Scotland	Second Class, Upper Division
Lesotho	75%; Second Class, First Division	New Zealand	Second Class (Division I)	Sierra Leone	Second Class Honours, Upper Division
Liberia	3 out of 4; B	Nicaragua	80%	Singapore	B; Second Class, Upper Division
Libya	75%	Niger	15 out of 20	Slovak Republic/ Slovakia	2 out of 5 (reversed scale ); Very Good
Lithuania	7.5 out of 10	Nigeria	Second Class Honours, Upper Division	Slovenia	8 out of 10
Luxembourg	12 out of 20	Norway	2.5 out of 6 (reversed scale)	Somalia	26 out of 30
Macau	16 out of 20; 3 out of 4	Oman	3 out of 4	South Africa	Second Class, Division 1
Spain	7.5 out of 10	Thailand	3 out of 4	Uruguay	8 out of 10
Sri Lanka (Ceylon)	60%; Upper Secondary	Togo	15 out of 20	Uzbekistan	4 out of 5
Sudan	65%	Trinidad and Tobago	Upper Second Class Honours	Venezuela	3.5 out of 5; 7 out of 9; 14 out of 20
Swaziland	Second Class, First Division	Tunisia	12 out of 20	Vietnam	7 out of 10; Good
Sweden	4 out of 5; Väl Godkänd (Distinction)	Turkey	70%; 3 out of 4; Good	Wales	Second Class, Upper Division
Switzerland	2 out of 5 (reversed scale); 3 out of 4; 5 out of 6; 6 out of 8; 7 out of 10	Turkmenistan	4 out of 5	Yemen	80%
Syria	70%	Uganda	Class II(i) Honours Upper	Yugoslavia (former)	7.5 out of 10
Taiwan	75%; B	Ukraine	4 out of 5	Zambia	B+; Meritorious
Tajikistan	4 out of 5	United Arab Emirates	80%; B	Zimbabwe	Second Division, Upper Level
Tanzania	Second Class, Upper Level	United States	3 out of 4		

## To GRE or Not to GRE

The Graduate Record Examinations (GRE) is a standardised exam whose scores are accepted internationally as part of the admission process. ***It is not a mandatory requirement for us at ESIGELEC***, but read on to know why you should consider doing it.

### More power to your application!

A good GRE score can help bolster your application, given the level of competition.

### The differentiator!

Most applicants tend to have a similar academic profile, the GRE score will draw the admission team's attention.

### It doesn't stop with admission!

By virtue of having a GRE score, your profile will be attractive even at the time of your internship / job search.

### Show off your preparedness!

The GRE evaluates critical skills like reasoning, analysis, and writing, which are an integral part of graduate study. A good GRE score will prove your academic abilities.

### Weak points in your application? The GRE is your chance!

A good GRE score will make up for an average performance at the undergraduate level.

### You can take the test in the comfort of your home!

Gone are the times when test takers needed to travel to a test centre. Today, you can do the test online! Go for it!

### Choose the best!

You can take the exam multiple times and choose the best score to show in your application.

### Fast track your application!

Your application will be fast tracked if you have a GRE score of 300 +. The admission interview is waived!

At ESIGELEC, we even offer a scholarship for applicants with a GRE score of 300+\*!

(\*Refer page 19  
for more information)



24-month  
Master's Program  
(4 semesters)

18-month  
Master's Program  
(3 semesters)

Intake

In September only

In February only

Tuition

16,500 €

13,500 €

*\*Semester dates, application deadlines and tuition fees are subject to change without further notice. The decision on admission to the 24-month or the 18-month program is taken after review of the application.*

**It's always a good idea to get your application in before the deadline.**

*For more information, go to Page 21*

*Experience France.  
Experience ESIGELEC.*

**APPLY NOW!**  
en.esigelec.fr

## How to apply

### ESIGELEC ONESTOP Our online application zone

We know the process of applications can be overwhelming!

At ESIGELEC, all your first steps in joining us can be accessed through the online application portal. Here, you will find all the necessary tools and information for a seamless application process.

*Getting your application in early, with all the relevant documents, makes the application process so much smoother. It helps us ensure that everything is processed in time for your preferred intake. Early submission and acceptance also allow plenty of time to make your visa application.*

*\*Visas are granted at the sole discretion of the Consulate General of France.*

*\*Foreign nationals who need a visa to enter France, must get in touch with local French authorities (Embassy of France/Consulate General of France) for more detailed information.*

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## In just three steps, it's done!

**01**

Create an application for your first-choice course at [en.esigelec.fr](https://en.esigelec.fr)

**02**

Fill in the required information and upload all supporting documents

**03**

Self-recorded interview  
or  
Virtual interview

**Submit**

## What will you need?

- Proof of ID (Passport or National ID)
- CV
- Statement of purpose highlighting your academic and professional goals. Please do not use Chat GPT for this document.
- All academic records from high school up to last degree (academic transcript and degree certificates)
- 1 letter of recommendation (from your university or from your current work place)
- Extra requirements for language tests (refer to the language requirements section)

## When will you hear?

Approximately a week after you have submitted your application online.

\*Only complete applications will be processed

## What next?

On receiving a Conditional Offer Letter, pay your initial deposit and upload the proof on ESIGELEC ONESTOP, to receive the Final Offer Letter and an accommodation certificate.

Thereafter, we will be by your side, on ESIGELEC ONESTOP, to help you find accommodation, to pick you up when you arrive in France and to keep you informed of anything else you would require at this stage.

## Settling in

*As a new international student, you are paired with an ESIGELEC Buddy (current student) to help you settle into your new world easily. Your Buddy will be there for you when you arrive in Rouen.*

**Everything online, at one place, via our portal.  
Simple and seamless.**

## Need help?

**If you have any questions or doubts, email us at:**

**CHINA** - [ying.liu@esigelec.fr](mailto:ying.liu@esigelec.fr)

**SOUTH ASIA** - [southasiaoffice@esigelec.fr](mailto:southasiaoffice@esigelec.fr)

**REST OF THE WORLD** - [international@esigelec.fr](mailto:international@esigelec.fr)

## Internships that make you future ready

Your student curriculum at ESIGELEC is only the beginning of your journey.

All graduate students at ESIGELEC are expected to do a mandatory internship, as part of the curriculum. These internships are vital in transferring classroom and seminar learning into the real world, helping you build on your experience.

Instructors and teachers encourage students to develop demonstrable practical skills. This combined with the high quality of teaching and mentoring at ESIGELEC, gives our students a strong advantage in the job market after graduation. And to make the whole process smoother, we have a dedicated placement office at ESIGELEC, offering students counselling and assistance to find internships.

The internship will help you:

- Understand more about your chosen industry and the companies you may want to look at upon graduation
- Develop your professional and interpersonal skills
- Grow your network in the industry
- Get a head-start on finding your first graduate job

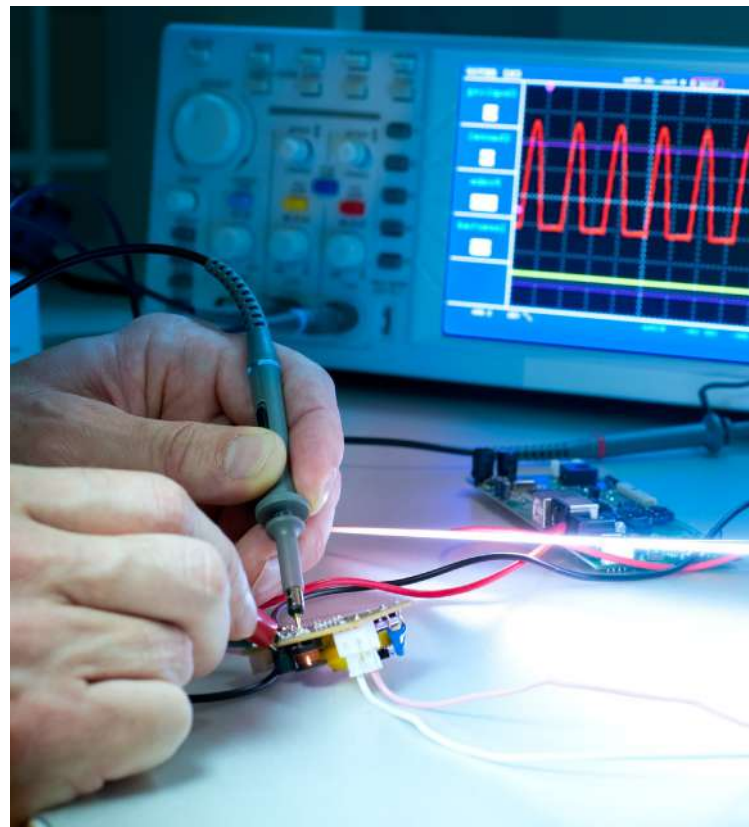


# Research at IRSEEM

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IRSEEM, ESIGELEC's high-end laboratory, is involved in some path-breaking research, and you'll be involved!

The IRSEEM (Institut de Recherche en Systèmes Electroniques Embarqués-Research Institute for Embedded Electronic Systems) was founded in 2001 by ESIGELEC. IRSEEM spear heads research, innovation and knowledge transfer in the domains of automation, electronics and computing.



## ***Activity clusters***

- Automation & Systems
- Electronics & Systems
- Instrumentation, Computing & Systems

The laboratory's mission is to conduct systems oriented research whilst supporting companies and researchers in transdisciplinary innovation and R&D.

# A Grande



Better known for engineering studies than public universities, these institutions of higher education provide advanced technical and professional training that fully prepare you for your future. Grandes Écoles provide the platform for young professionals to embark on meaningful and impactful careers.

Rigorous selection processes and famed for producing elite graduates, Grandes Écoles offer top-rated teaching staff and courses with a strong focus on industry experience and specialisation.

Studying in a Grande École like ESIGELEC translates as an excellent preparation for you as you look ahead. You will join a virtuous circle of highly qualified graduates from France's premier institutions.

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## Remember, this is about you.

## Look beyond rankings

Graduate study is an experience that will change the course of your life for several years to come. We encourage you to choose an institution on the basis of the things that matter to you. Ranking is only a number.

Visit our website, look at the research that IRSEEM (our laboratory) is involved in, talk to our Student Ambassadors or ESIGELEC's Alumni, and then take the leap!

But if you still insist, the most recent ranking exercises put ESIGELEC amongst the best Graduate Schools of Engineering.





**TOP 15**

Best School Experience



**07<sup>th</sup>**

Best Employer Experience



**03<sup>rd</sup>**

Electrical and Electronics engineering

**l'Étudiant**

**01<sup>st</sup>**

Group B of Private Engineering Schools

**02<sup>nd</sup>**

International Relations (Among Private Engineering Schools offering Programs after High School)

**03<sup>rd</sup>**

Information Systems Engineering (Among Private Engineering Schools offering Programs after High School)

**04<sup>th</sup>**

Electrical and Electronic Engineering (Among Private Engineering Schools offering Programs after High School)

**L'USINE NOUVELLE**

**01<sup>st</sup>**

Engineering schools offering programs after High School

**LE FIGARO étudiant**

**TOP 5**

Engineering schools offering programs after High School, which are part of the Avenir competitive exam

**13<sup>th</sup>**

Private Engineering Schools, offering programs after High School

And just in case you are interested, 94% of our students find jobs in the first 3 months of graduating.

**Studying at ESIGELEC will be the beginning of an enriching journey and we wish to achieve great things in the near future, along with students like yourself.**

# That all important junction – what after ESIGELEC

## Join the work force

An engineering degree from ESIGELEC allows for a seamless integration into various exciting sectors. With the help of the JobTeaser technology, ESIGELEC works closely with industry to give access to current job-related information. Companies announce job, internship, and other work contracts on this platform.

*96% of students from the most recent batch were able to find employment in less than 4 months*

## Continue with your education

You can go on to further specialise in your field of study. IRSEEM, is one of the laboratories where PhD scholars of the University of Rouen carry out their work. With a PhD, you can explore R&D opportunities in public or private sector industries. Needless to say, you can also apply for PhD programs anywhere in the world with the Master's degree from ESIGELEC.

## Be an entrepreneur, welcome to the start-up nation!

The very word “entrepreneur” is French! The State welcomes foreign investors and supports world-class R&D, making France an attractive market for innovation investments.

If you want to take the entrepreneurial plunge, there is no place more conducive than France to build your start-up and it takes only 3.5 days to set up shop!



# Their experiences, your future



## Nicolas RESSOUCHES

*ESIGELEC Alumnus*

The ESIGELEC engineering degree is highly recognised for the quality of the training and carries significant potential at the start of one's career. The knowledge base has brought me great value and has helped me move seamlessly between positions, technologies and organisations since I graduated.

Twenty years down the line, I see my batch mates pursuing different professional paths, which says a lot for my alma mater, ESIGELEC.

## Gouri Ramesh

*ESIGELEC Alumna*

Going to another country, and living and studying there was an experience that moulded me for the better. I learnt a lot on this trip – technically as well as personally. It was an amazing experience to be exposed to a new (and vibrant!) culture, and make new friends while learning to enjoy my own company. ESIGELEC and its warm community made me feel so welcome and at home right from day one. Interacting with and learning from my teachers and classmates was a lovely experience. Even after returning to India, I can't get over the beautiful city of Rouen, the energetic University campus and my special evening walks along the banks of the Seine.







# Rouen, a hundred bells tell a tale!

We won't stop you from falling  
in love with Rouen.

Normandy's cultural and historic capital, Rouen is defined by beautiful architecture, creative minds and a storied past. Spires of the city's Gothic cathedral dominate the skyline, and have been immortalised in many paintings by Impressionist Claude Monet. A lovingly restored medieval quarter, cobblestoned streets and colourful half-timbered houses make a simple walk around Rouen fascinating.

Set on the banks of the Seine, this city has attracted students for years due to its friendly atmosphere and conviviality. Rouen is just a two-hour drive from Paris, which means you can enjoy lower living costs whilst still frequently visiting the dreamy French capital.



# A hexagon that will stir your soul. Choose France

Technological prowess, did you say? Then France it is!

If engineering is your art, there's no better canvas than France to create your masterpiece. A world leader in the energy, technology and transport sectors, France welcomes young, innovative minds with arms wide open. As a student, it's hard not to be inspired by the country's innovative strides in the electronics and telecommunications industries. France is also at the cutting edge of aerospace development with a thriving information technology market and a strong record in producing advanced military equipment.





# Normandy, say cheese!

Lifestyle meets opportunity  
in Normandy!

This region of France prides itself in all things dairy. Even if cheese is not your thing, there's much to discover here. Normandy is a vibrant centre of industry, housing some of France's biggest businesses and international corporations. With its picturesque coast and delectable cuisine, it has inspired many artists and enchanted many travellers.

Normandy is known to have one of the youngest populations in France, and is revered for its medieval charm, stylish beach resorts and great quality of life.

# Europe, one weekend at a time

Unravel the beauty of  
THE continent  
with your Schengen visa

Above and beyond the marvels that are waiting to be explored in France, you are also in the heart of Europe with many countries and cultures at your doorstep. Step out, travel, explore and discover exciting places and opportunities across the continent. Revered for its social and scenic charm, Europe is international exposure at its best. What's more – collaborations within Europe have shaped a thriving international academic community that is well-aligned, conducts cutting-edge research and creates long-term career opportunities for young graduates in the continent.



# Notes

Date



**Graduate study  
is about YOU...  
it always should be!**

## **Contact us**



+33 2 32 91 58 58



Technôpole Du Madrillet,  
Avenue Galilée 76800  
Saint-Etienne Du Rouvray, France



**CHINA** - [ying.liu@esigelec.fr](mailto:ying.liu@esigelec.fr)  
**SOUTH ASIA** - [southasiaoffice@esigelec.fr](mailto:southasiaoffice@esigelec.fr)  
**REST OF THE WORLD** - [international@esigelec.fr](mailto:international@esigelec.fr)