
ESIGELEC

Ms Liu Ying, Chief Representative of ESIGELEC in China

1. General overview

Founded in 1901, ESIGELEC offers a world class education in 15 different engineering disciplines and ranks among the best French Engineering Schools. ESIGELEC is fully recognized by the French Government and is supported by the Chamber of Commerce and Industry of Rouen (CCI ROUEN METROPOLE). Today, ESIGELEC represents a higher education and research cluster in the field of engineering and in particular in the area of « Smart Connected Systems ».

2. Key figures

ESIGELEC FAMILY

The ESIGELEC family has grown to its current strength of around 2060 members, including more than 1650 students and 35% of foreign students. Among the 335 faculty members, more than 60 are permanent teaching staff, and more than 270 are local or foreign visiting professors coming from universities or from industry, or independant professors.

ESIGELEC DOCTORAL STUDIES

Research work, at a doctoral level, is conducted at ESIGELEC, under the aegis of the Institute of Research in Electronic and Embedded Systems of ESIGELEC : IRSEEM. PhD students are registered in 3 doctoral institutions, associated with ESIGELEC.

ESIGELEC INDUSTRIAL NETWORK

ESIGELEC has a strong industrial network with 3000 companies in France, but also abroad. Representatives of industry are an integral part of our Administrative Council, of our teaching faculty and of our Study Board for curriculum development. This strong industrial network helps the students to find internships and job opportunities. ESIGELEC also closely works with industry for R&D activities, and continuous training for their staff.

ESIGELEC MASTERS PROGRAMMES FULLY TAUGHT IN ENGLISH

"Information Systems" and "Electronic Embedded Systems"

Students can pursue their higher studies at the Master's level in the fields of Information Systems or Electronic Embedded Systems, taught entirely in English and leading to a Master in Sciences and Technology degree. As in the case of the engineering programme, the masters programmes are also fully recognized by the French Ministry for Higher Education and Research. Students with a relevant Bachelor's degree may apply for this two-year course.

3. University strengths / key projects

- Opportunities for studies at the master and PhD levels in french or in english,
- Huge equipments for research,
- Strong expertise in Robotics, Embedded and Smart Systems, Autonomous Navigation, EMC, Automobile, Aeronautics,...

- Joint research lab in ESIGELEC with SAFRAN NACELLE group,
- Strong expertise for development of academic programmes abroad in various countries all over the world,
- Graduate School offering a real international environment with 35% of foreign students and 45 visiting professors coming from abroad,
- Strong links between our programmes and industry, and very high work placements.

4. International strategy

ESIGELEC PROGRAMMES INTERNATIONALISATION

Masters programmes, linguistic programmes, academic exchanges (semester/full year), double-degree programmes, lab internships, summer schools are developed by ESIGELEC for local and/or international students.

ESIGELEC ACADEMIC DEVELOPMENT ABROAD

ESIGELEC also keeps on being strongly interested in designing and building programmes in partnership and developing teaching methodologies abroad (preparatory classes built in Senegal, Cameroun, Benin, Sri-Lanka, french classes built in China, as well as twinning MSc/Masters programmes proposed with partner universities abroad in China and in India).

ESIGELEC SCIENTIFIC COOPERATION WITH FOREIGN PARTNERS

In addition, the school constantly strives to extend its scientific and research cooperation with partners overseas: exchange of professors, research internships in labs, joint research activities, mobility of PhD students, ...

ESIGELEC BRAND NAME ABROAD

Two permanent representative offices of ESIGELEC in Shanghai and in Bangalore were also created abroad and contribute to develop the ESIGELEC brand name abroad.

5. Research

ESIGELEC has created its Institute of Research and Development in Electronic and Embedded Systems, in order to meet the research requirements of the automotive, aeronautics, electronics and telecommunications industries. Its areas of activity are Research & Development, Innovation and Knowledge Transfer in the following domains:

- Electronics & Systems (electromagnetism, EMC, microwave frequencies),
- Automation & Systems (diagnosis and engine control, monitoring complex systems),
- Instrumentation, Computer Science & Systems (navigation, intelligent transportation).

A Campus of 4000 square meters for Integration of Embedded Systems was opened in 2012 and includes 4 research platforms: a platform for hybrid and electric vehicles, a common platform with SAFRAN NACELLE group (test benches for pods, variator drive/electric motor test benches), a platform for autonomous navigation and a platform for micro-electronics.

6. Entrepreneurship

ESIGELEC, with its institute of research: IRSEEM, is part of the Regional Incubator for entrepreneurship in Normandy.