



ESME Sudria School of Engineering

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1. General overview

Founded in 1905, ESME Sudria is a private, nonprofit higher education institution under the supervision of the French Ministry of Education and Research. ESME Sudria is proud to be a member of the “Grandes Ecoles”, France’s prestigious consortium of high-level engineering and business schools, whose students are selected through highly competitive entrance examinations. We are also a signatory to the Erasmus Charter for Higher Education, 2014- 2020 allowing the school to promote and provide support to the international mobility of its students and staff. At ESME Sudria, our mission is to train multidisciplinary engineers who will be able to tackle today and tomorrow’s key challenges:

- Energy Transition
- Mobility and Communications
- Digital Intelligence
- Health and Personal Well-Being
- Future Transportation Technologies
- Robotics and Humanoids

After a 5-year curriculum, the School grants a Master of Engineering degree («Diplôme d’ingénieur») certified by the French national Commission on Engineering Credentials (CTI).

2. Key figures

- 1 500 students including approximately 10% international students
- 300 staff and Faculty members
- 38 international partner institutions
- 20 Double degree agreements
- 400 students in outgoing mobility every year
- 5 research labs including Mobility and Communications, City of the Future, Health and Person assistance, Digital Intelligence, Calculation and Modelization
- 2 500 partner companies

English taught programmes for international students:

*At the undergraduate level: Engineering Science

*At the graduate level: two programmes in Cybersecurity, Internet of Things and Smart cities

*A Summer School in Robotics and Digital Arts taking place in July each year.

3. University strengths / key projects

Sino-French institutional Higher Education Fair, 2019 April 1st and 3rd, Chengdu and Wuhan



ESME Sudria is a multidisciplinary School of Engineering that trains engineers in the most innovative way:

- A diverse pedagogical approach (Amphitheatre courses, team projects, online courses and practical work) of teaching the innovation technologies, including energy, electronical and embedded systems, robotics, networks and telecoms, and computer science.
- A wide set of soft skills and management courses in addition to the engineering classes. This allows the future engineers to acquire a solide knowledge of the business world, national and international social and economic challenges, project management, innovation management, English and an (optional) second foreign language and entrepreneurship.
- The international dimension of ESME curriculum is another strength of the School: 100% of ESME students spend an academic semester abroad in their 4th year as part of their studies, in one of the 38 partner universities across the world.

4. International strategy

International strategy and cooperation with China

ESME international strategy today focuses on two key directions set for the upcoming years:

1/ Increase the number of international students from our partner institutions participating to a student mobility at ESME.

2/ Increase the number of destination universities welcoming ESME students for their mandatory semester abroad. Given the thriving economic and technological environment in the region, Asia is a very attractive destination for ESME students, and more particularly North-East Asia.

To achieve these two keys goals, ESME Sudria international office is actively working on the development of the School's network of partners across the world. China is a key strategic area for the School's international development activities. ESME is looking for quality partners with a solid offer of English-taught courses in the fields of Engineering, especially those listed above in the "general overview" section, located in China's 1st, 2nd or 3rd tier cities.

5. Research

The research at ESME Sudria covers all areas of competence in engineer's education at school, from energy to information and communication technologies, through telecommunication networks and embedded systems. More precisely, high interest is focused on energy and collaborative robotics, embedded electronics and the Internet of Things, information theory and telecommunication networks, and on artificial intelligence, Big Data and Machine Learning. Furthermore, the research axes are part of the major current issues of health and autonomy (related in particular to the aging of the population) or the control of energy.