German, English, Arabic, Chinese, French as a foreign language, Italian, Portuguese, Russian.

All students must study at least one foreign language from those proposed during their course, and may potentially choose 2 or 3.

Every student leaving the School must have a minimum level of English (at least 550 points on the ITP (79 on the TOEFL IBT), 750 points on the TOEIC or 6.5 points on the IELTS).

Non-French speaking students doing a dual degree or students who enjoy special conditions for linguistic reasons must obtain the DELF (French language studies diploma) level B2.

★ The professional taught module (UE pro)

The UE PRO allows students to discover the engineering profession through through lectures visits to plants, interviews, projects and internships in industry, and helps them make use of all this information in defining their professional project.

All students must do a 4 week work experience placement after the first year and a 3 month work experience placement as a first introduction to engineering work.

Similarly, the acquisition of certain skills requires students to learn by doing. Students work in groups on projects throughout the core program.

Physical education and sports, one of the aims of which is to «act together» to learn more about ones «potential», is a compulsory part of the integrated UE PRO course.

Options

- Aeronautics
- · Bio-engineering and nanotechnology
- · Civil engineering and environment
- Energy
- It and communication
- Mathematics and decision-making
- Transport and traffic

Professions

- Innovation research and development engineer
- Industrial process management engineer
- Supply chain engineer
- Business development engineer
- Eco-design and innovation engineer
- · Consultant engineer
- · Management of industrial and environmental risks engineer

★ Taught modules in engineering science, economics and humanities

Electrical energy and systems control

Fluid and energy

Mechanical engineering

Information technology

Materials engineering

Mathematics

Solid and structural mechanics

Physics and chemistry of materials

Economics and management

Human and social sciences

Information sciences and technologies

In-depth TM

COLE ENTRALELYON

36 Avenue Guy de Collongue 69130 Écully 04 72 18 60 00

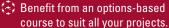
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Find us on f







- 🔂 Discover research through constant contact with the CNRS laboratories on the campus.
- Work with internationally renowned companies.
- Acquire a good command of a foreign language and study in prestigious universities abroad.

Join École Centrale de Lyon and open your mind. And also:

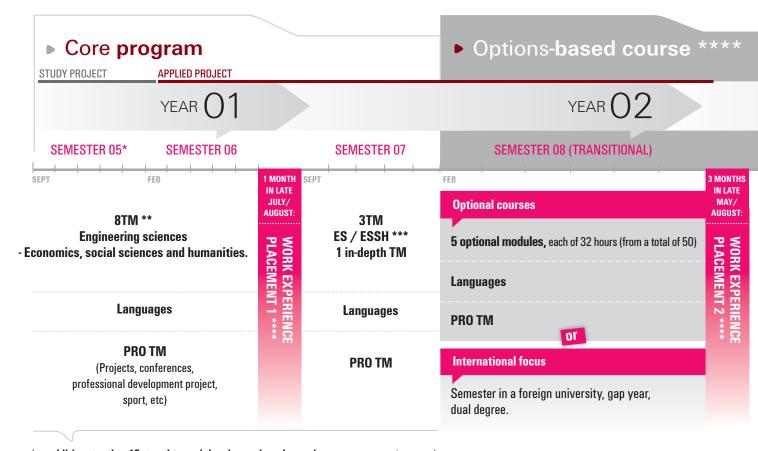
- Get involved in an exciting range of extra-curricular activities.
- Benefit from partnerships and dual degrees set up by the School: EMLYON, Architecture, etc..
- Play a sport as part of a winning
- Enjoy living in a resolutely European city between the mountains and the sea.





GENERAL ENGINEERS' SCHOOL AT THE FOREFRONT OF INNOVATION





In addition to the 12 taught modules in engineering sciences, economics and humanities of the core program there are:

One modern languages taught module

One professional taught module

This very broad base allows students to acquire the open-mindedness, knowledge and skills that are characteristic of engineers from École Centrale de Lyon. It is also possible to study for a dual engineer / architect degree.

The learning objectives for each TM come are expressed in terms of:

- Acquisition of academic knowledge
- ✓ Acquisition of knowledge about the context
- Acquisition of engineering skills (complex problems, multidisciplinary issues, etc.)

25 % of teaching in these TMs is «self-study»: compulsory and tested group or individual work, where the student's initiative is a key factor.

Interdisciplinary, open-mindedness, consistency, novelty and English are the keywords for this semester

- *The semesters are named according to the LMD system to facilitate international communication.
- Semester S5 corresponds to the 1st semester after the baccalaureate and the core program is therefore run during semesters S5, S6 and S7.
- ** TM: taught module
- *** ES / ESSH: Engineering sciences Economics, social sciences and humanities.
- **** These course options can be undertaken in France or abroad.



AN OPTIONS-BASED TRAINING PROGRAM THAT ENCOURAGES INDIVIDUAL DEVELOPMENT

YEAR 03

APRIL

SEMESTER 09

SEMESTER 10

Professional and sectoral practice at École Centrale de Lyon

3 TO 6 MONTHS IN LATE MAY/ **SEPTEMBER**

The student chooses between 7 options (sectors) and 6 professions before doing his end-of-course placement, a 3 to 6 month mission in a company or in a laboratory. He can do his third year in another school belonging to the Écoles Centrales Group to take up an option or profession in other themes.

WORK EXPERIENC PLACEMENT 3 **** will need.

A career development contract

studies in 4 areas:

Since the start of the academic year 2013, this new way of obtaining an engineering degree from École Centrale de Lyon is open to engineering students at the end of their second year. International orientation

International orientation

The semester-based structure of the course facilitates exchanges with the school's historic partners (130 exchanges in over 40 countries). Each year, around 60 students also choose to take part in an academic exchange. This is mainly organized through the TIME network, and involves two years of study at École Centrale de Lyon, followed by two years at the partner university.

✓ Research

Mobility in France

The student may also do his 3rd year in another French institution (these courses do not award a dual degree).

available.

Priority to research

Throughout their course, they can adjust the pace of their studies, go further into some areas, and take a gap year to gradually build up their project. Their choice provides a measure of commitment, making them accountable and helping

In the third year, engineering students have the option to gain in-depth research skills by following one of the school's fifteen or so research Master's courses in addition to their existing course. Engineering graduates also have the option of undertaking a three-year program leading to a PhD, in one of the school's laboratories.

A dual engineer / manager degree

In 4 years, in partnership with EMLYON Business School.

MILLION LINES

At École Centrale de Lyon, students follow a core program for three semesters, followed by three semesters of optional subjects.

To gain their degree, students must:

- ✓ Spend at least four semesters under the school's supervision,
- ✓ Demonstrate proven work experience of at least six months,
- ✓ Demonstrate proven mobility for a minimum of 3 months abroad

The course is divided into semesters, making exchanges easier:

The first three semesters consist of 12 taught modules, and provide the range of key skills and knowledge that an engineer

The following 3, referred to as «optional courses», are designed to help the engineering students to pursue their

- Professional and sectoral practice
- ✓ International focus
- ✓ Dual training

As well as this training, students gain firsthand, in-depth workplace experience by attending conferences, visiting factories, and taking part in six months of work experience.

Each engineering student is fully involved in his own training. Students build their course by choosing from the many opportunities

them to take full advantage of their training.