CENTRALE LYON

Bachelor of Technological and Industrial Change in Civil and Environmental Engineering

Degree level: Bachelor
Training time: 3 years
Language: French
Status: Student, Apprenticeships
Campus: Saint-Etienne Campus

Objectives

Centrale Lyon offers a **Bachelor Mutations Technologiques et Industrielles - Civil Engineering and Environment pathway**to all those who want to contribute to a sustainable future by **transforming construction and renovation practices** for buildings and public works structures.

To become an assistant engineer, students will be trained to:

- **Conduct civil engineering projects**: from project costing to work planning to project management in liaison with customers and suppliers
- **Contribute to the dimensioning of buildings and structures** by mobilizing knowledge of structural and soil mechanics as well as the resistance of materials, integrating current standards
- **Participate in setting up a functional site organization** and monitor work progress indicators
- **Assume middle management** of a committed team, ethical and responsible

The Bachelor of Civil and Environmental Engineering is a program co-constructed as part of the Collège d'Ingénierie Lyon-Saint-Étienne.

Program

Education

- **Fundamental sciences**: mathematics, physics, chemistry and computer science
- Economics, Management, Law, Management and English
- **Science and technology**: mechanics, strength of materials and design rules
- **Structural and envelope eco-design**: steel construction, reinforced concrete, wood and building comfort
- Geology, Civil Engineering materials, soil remediation and geotechnics
- Organization, methods and technology of buildings and public works

Read more

Alternance

Learning takes place over three years: the first under **student status**, followed by two years under **apprentice status**. Students benefit from individualized **accompaniment** to find an apprenticeship contract in line with their career plans, and to succeed in obtaining their diploma.

Saint-Étienne campus

The Bachelor Mutations Technologiques et Industrielles - Génie Civil et Environnement **is taught on Centrale Lyon's Saint-Étienne campus**, located at 58 rue Jean Parot. This campus, integrated into the heart of a dynamic industrial and scientific ecosystem, offers an environment **propitious for learning and projects in connection with local companies**.

Discover the campus

Diploma and certification

This course awards a national bachelor's degree - controlled by the State.



Career opportunities

- Assistant works engineer
- Site manager, works controller
- Collaborator of project manager
- Assistant contracting authority
- Design or testing laboratory manager
- Design draftsman

Focus

- A team of recognized teachers, lecturers and professionals
- A network of companies that recruits apprentices and graduates
- A class of 24 students benefiting from personalized support
- A shared ambition around societal and environmental transition

Admission requirements and application

Requirements

- General baccalaureate or STI2D
- Reorientation after BAC +1/+2

Application

Applications are considered on the basis of a dossier, transmitted via **Parcoursup**.

Applying to Parcoursup

Tuition fees

- **Scholarship students are totally exempt** from registration fees.
- For other students, **registration fees are only due in the first year**. Their amount is calculated on the basis of the reference tax income per unit of the household to which the student is attached (**calculation: reference tax income ÷ number of units**).
- In the second and third years, **these fees are paid in full by the company** as part of the work-study program.

Reference tax income 2025 ÷ Number of household units in 2025	Rate
Lower than 12,000	€0
Between 12,001 and 14,000	€222
Between 14,001 and 16,000	€629
Between 16,001 and 17,500	€1,155
Between 17,501 and 20,000	€1,778
Between 20,001 and 23,000	€2,485
Between 23 001 and 27,000	3,266 €
Between 27,001 and 33,000	4,116 €
Between 33,001 and 39,000	5,028 €
Overabove 39,001	€6,000

Other specialties

The "Mutations Technologiques et Industrielles" Bachelor's degree is available in several tracks. The Civil and Environmental Engineering specialization is led by Centrale Lyon, while **three other specializations are offered by INSA Lyon:**

Plastics and Industrial Ecology

Oyonnax campus

This specialization trains professionals capable of designing and producing polymer and composite materials in an eco-responsible way, thanks to training that combines technical skills with respect for environmental standards.

Find out more

Ecodesign of cooling, heating, ventilation and air-conditioning systems

Campus Lyon Tech-La Doua

This specialization trains professionals capable of designing, optimizing and managing eco-responsible thermal and energy systems thanks to solid theoretical teaching and concrete projects, in partnership with leading companies in the sector.

Learn more

Electrical Grid Infrastructures

Campus Lyon Tech-La Doua

This specialization trains professionals capable of designing, managing and adapting electrical infrastructure systems while contributing to the decarbonization of industries thanks to an interdisciplinary training program integrating civil engineering, electrical engineering, and infrastructure digitalization.

Find out more

Administrative contact

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Informations et inscriptions

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Useful links

- Application on Parcoursup
- Training syllabus
- INSA Lyon