



**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 course** to all those who want to contribute to a sustainable future by **transforming construction and renovation practices** for buildings and public works structures.

- **Conducting 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 in structural and soil mechanics as well as in strength integrating current standards
- **Participate in setting up a functional organization of the worksite** and monitor progress indicators
- **Assume middle management** of a committed team, ethical and responsible team

## **Program**



- Sustainable construction and renovation technologies: method and organization
- Fundamental sciences : mathematics, physics, chemistry and computer science
- Economics, Management, Law, Management and English
- Sciences and technologies: mechanics, strength of materials and design rules
- Ecodesign structure envelope: metal construction, reinforced concrete, wood and building comfort
- Geology, Civil Engineering materials and soil remediation

[Discover the syllabus](#)

## From initial training to apprenticeship

Teaching takes place over 3 years under **student status the first year**, then under **apprentice status the following two years**. Students are supported in securing an apprenticeship contract in line with their career plans, and in obtaining their diploma.

## Teaching

Le Bachelor Mutations Technologiques et Industrielles – Génie Civil et Environnement **est dispensé sur le campus de Saint-Étienne de Centrale Lyon**, situé au 58 rue Jean Parot. Ce campus, intégré au cœur d'un écosystème industriel et scientifique dynamique,

offre un environnement **propice à l'apprentissage et aux projets en lien avec les entreprises locales.**

[Découvrir le 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 curriculum co-constructed by the [College of Engineering](#) (Centrale Lyon, ENTPE, INSA Lyon and Mines Saint-Etienne)
- 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 a BAC +1/+2

## Application

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

## Candidature

Les candidatures sont étudiées sur dossier, transmis via **Parcoursup**.

[Applying to Parcoursup](#)

## Tuition fees

**Registration fees are due only in the first year.** The amount calculated according to the tax income of the household to which the student is attached. They are **paid by the company in the second and third years.**

Scholarship holders are exempt from registration fees.

Reference tax income 2024 / Number of household units in 2024	Tariff
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

## Autres spécialités

Le Bachelor "Mutations Technologiques et Industrielles" se décline en plusieurs parcours. La spécialité Génie Civil et Environnement est portée par Centrale Lyon, tandis que **trois autres spécialités sont proposées par l'INSA Lyon :**

### Plasturgie et Écologie Industrielle

*Campus d'Oyonnax*

Cette spécialité forme des professionnels capables de concevoir et produire des matériaux polymères et composites dans une optique éco-responsable grâce à une formation alliant compétences techniques et respect des normes environnementales.

[En savoir plus](#)

### Écoconception des systèmes Froid, Chauffage, Ventilation & Climatisation

*Campus Lyon Tech-La Doua*

Cette spécialité forme des professionnels capables de concevoir, optimiser et gérer des systèmes thermiques et énergétiques éco-responsables grâce à un enseignement théorique solide et des projets concrets, en partenariat avec des entreprises leaders dans le secteur.

[En savoir plus](#)

### Infrastructures des Réseaux Électriques

*Campus Lyon Tech-La Doua*

Cette spécialité forme des professionnels capables de concevoir, gérer et adapter des systèmes d'infrastructure électrique tout en contribuant à la décarbonation des industries grâce à une formation interdisciplinaire intégrant génie civil, génie électrique, et digitalisation des infrastructures.

[En savoir plus](#)

## **Administrative contact**

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Informations et inscriptions

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## **Useful links**

- [Application on Parcoursup](#)
- [Training syllabus](#)