



BEng CE-SC [BUT GC-CD]

IUT-NIMES.FR

CIVIL ENGINEERING - SUSTAINABLE CONSTRUCTION

THE DEGREE

- Three-year integrated course
- Skills-based approach : 5 professional fields developed from the first year
- 4 specialisations from the second year, to be chosen according to skill levels to be mastered
- Training structured around immersion in professional situations

TRAINING OBJECTIVES

The BEng in Civil Engineering and Sustainable Construction trains intermediate-level managers capable of working in project management, construction supervision, organisation, and management of worksites.

The skills developed include construction techniques (structural work, finishing work, technical equipment), engineering studies (structural stability, geotechnics, thermal, acoustic, and visual comfort), materials and their uses, site organisation and management, as well as professional communication in both French and English.

ORGANISATION

- Start date : september
- Duration : three years
- Total hours : 2,000 hours
- Supervised project hours : 600 hours
- Internship : minimum of 22 weeks over the three years
- Work-study option : available from the second year
- Work-study programme : training periods at the IUT ranging from 2 to 10 weeks, alternating with company placements
- Assessment method : continuous assessment

CORE CURRICULUM // From the first to the third year

MAIN SUBJECTS

- Building comfort
- Construction methods and safety
- Cost estimation and financial management
- Site organisation and management
- Materials, binders, concretes and asphalt mixes
- Environmental impact assessment
- Diagnostics and pathology
- Mathematics
- French and english communication
- Technical drawing & plan reading
- Structural stability
- Geotechnics and topography
- Wet and dry networks

KEY SKILLS

- Technical solutions for building construction
- Technical solutions for public works
- Dimensioning
- Site organisation and management
- Technical supervision of a project

4 SPECIALISATION OPTIONS

// Second and third years

Building Works

Develop technical, commercial, management, and leadership skills required for managing construction projects in the building sector.

Public Works

Develop technical, commercial, management, and leadership skills required for managing infrastructure and public works projects.

Renovation and Environmental Performance Improvement

Train technicians to participate in the diagnosis, planning, and execution of renovation projects aimed at improving a building's energy efficiency and environmental performance.

Design Office and Engineering

Develop skills related to construction engineering, including project design, operation planning, and technical studies.

CAREER OPPORTUNITIES

PROFESSIONS

- Site manager / site supervisor
- Project manager
- Health and safety coordinator
- Project management assistant / Contractor
- Energy assessor
- Draftsman / Designer
- Technical services manager
- Design office assistant engineer
- Model maker / BIM coordinator

SECTORS

- Construction, public works, local authorities
- Project supervisors
- Developers
- Architectural firms
- Inspection and Certification Offices
- Structural, thermal and fluid engineering firms

FURTHER STUDIES

Students wishing to specialise or broaden their training can apply to:

- Engineering schools
- Master's degree courses



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