



EGC



The Water Science and Civil Engineering program (EGC) is a Master's-level program that trains engineers via apprenticeship to become experts in managing hydraulic works projects for cities and territorial planning.

KEYWORDS

RIVER MANAGEMENT – RAINWATER TREATMENT – DAM – STORM BASIN – CATCHMENT – SEWER – EMBANKMENT – PORT – NETWORK – RESERVOIR WATERWORKS – WASTEWATER TREATMENT PLANT

ALL POLYTECH PROGRAMS LEVERAGE A SOLID PARTNERSHIP NETWORK WITH:

- The industry (800 internships, 200 industry projects, and 50 apprenticeship contracts per year)
- Academic research (14 associated research laboratories)
- International partners (over 100 partner universities around the world)

UNIQUE BENEFITS

- Work-study alternation
- Dual technical qualification in water science (hydraulics, processes) and civil engineering (dimensioning, construction)
- 4 weeks international experience
- Some courses take place in Nîmes at the University Institute of Technology

↘ **TARGET PROFESSIONS**

When EGC engineering students graduate:

- they have acquired solid scientific background in mathematics and computer science, along with language certification in English.
- their technical knowledge in the fields of water science and civil engineering is proficient, essential for designing, sizing, building, operating, and maintaining major water works for city and territorial development.
- they are able to manage the human and economic aspects of all types of water projects from design to delivery.

Graduates are qualified for many jobs:

- Works Engineers / Studies and design / Operations
- Project management
- Project management assistance
- Project Manager / Agencies / Companies

↘ **TARGET ACTIVITY SECTORS**

In France and abroad

- Civil engineering and hydraulic works companies
- Water utilities, management and operation services
- Technical departments for cities and metropolitan areas

MAIN PROGRAM TOPICS

- mathematics
- hydraulics / hydrology
- process engineering / chemistry / microbiology
- geotechnology / structures / standards
- topography / construction / organization
- human and social sciences
- modern languages and communication

A complete list of courses offered at POLYTECH, and total hours, is available on www.polytech-montpellier.fr

PROFESSIONAL PROGRAMS

In-company training (work-study) is supervised by an industry advisor, the apprenticeship director, and monitored by an educational director, the professor. The program is organized into five professional modules:

- company knowledge (MP1)
- technical environment (MP2)
- scientific and/or technical application (MP3)
- business management (MP4)
- end-of-year industry project (MP5)

CALENDAR

- Program duration: 3 years
- 70 weeks in school + 86 weeks in company (including paid vacation)
- Work-study alternation:
 - 10 weeks / 4 weeks in 1st year (3 periods in school)
 - 8 weeks / 9 weeks in 2nd year (3 periods in school)
 - 8 weeks / 20 weeks in 3rd year (2 periods in school)

ADMISSION REQUIREMENTS

- Under age 26: on apprenticeship contract signature date.
- High school +2 yrs (PeiP2, DUT, L2, BTS, CPGE...) in science and technology, approved by EGC.
- Competitive exam via application and interview.
- Application deadline: end of March.
- Admission testing in math, French, and English: mid-April.
- Recruitment interview: mid-April.
- Program start: late September
- Apprenticeship contract signature.

The apprentice earns a salary between 41% and 78% of the French minimum wage.

ADVANTAGES OF APPRENTICESHIP

- High-level training, free of charge for the apprentice.
- Employee status for 3 years and a real initial professional experience.
- Fast integration into the professional world on graduation.
- Close collaboration between school and company during apprentice training.

SOLID PARTNERSHIP

The EGC program benefits from strong support from the Région Languedoc-Roussillon-Midi-Pyrénées through the Higher Education Regional Center for Apprentice Training (CFA EnSup-LR).



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FIND OUT MORE +

More information on www.polytech-montpellier.fr and www.ensuplr.fr



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