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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