



INTERNSHIP POSITION # 3

CHEMICAL ENGINEERING/NANOTECHNOLOGY

DATES: From February 2, 2026 to January 22 2027

AREA WITHIN THE COMPANY THE STUDENT WILL PERFORM HIS INTERNSHIP: Global R&D department, R&D Laboratory

The Global R&D department is a core team inside CEMEX INNOVATION HOLDING based in Switzerland. The aim of the team involves research and development of new products and solutions for the different challenges CEMEX has as a key global player in the construction industry as well as specialized technical troubleshooting for all CEMEX operations, mainly Cement, Concrete, Aggregates and Admixtures

POSITION PURPOSE:

- Assess and develop technologies to use and fixate CO₂ in diverse materials.
- Work on environmental management and sustainability initiatives, developing methods to reduce emissions and improve waste management.
- Support the diverse characterization activities performed in the Global R&D laboratory.
- Troubleshoot when issues or challenges arise during the production of cement or concrete casting process; diagnose problems; and implement solutions to maintain the quality of the concrete.
- Innovate and find new ways to improve cement production, develop alternative materials, or enhance sustainability.
- Conduct tests and analysis to ensure that the cement product meets the required specifications and standards.

PROJECT ACTIVITIES:

- The position envisions work in 2 basic projects and areas:
 - The first involves the development of technologies and materials to fix CO₂ coming from cement industry (60%).
 - The second involves determining efficiencies and assessing the materials and technologies that are viable for scaling up with the use of analytical equipment (XRF, XRD, ICP, GC-MS, TGA, FTIR, etc.)
- Participation will also be required in the different services provided by the CEMEX Global Research Laboratory

STAFF INVOLVED: Cemex Global R&D department, as well as the manager of the laboratory and the VP of Innovation.

SOFT SKILLS: Open and flexible, able to work on diverse teams, responsible and organized.

REGION THAT WILL BE SUPPORTED: Worldwide