



PH.D. IN CIVIL ENGINEERING

8 semesters · SNIES Code: 101803

Res. 4645 of 2019 (7 years)

Metropolitan area of Barranquilla

General Objective

To train professionals at the doctoral level in the areas of knowledge of Civil Engineering with a high level, intellectual and scientific rigor, competitive at an international level, able to conduct independent and original research, that allow the advancement of knowledge in their respective field of training, by proposing innovative solutions to regional, national and international problems, current and future.

Occupational profile

Optimization and improvement of products and processes based on experimental techniques, characterization and analysis of phenomena using fundamental engineering principles, management and formulation of research and technological development projects. Organizing R&D teams in engineering firms.

Duration

8 semesters, 120 credits.

Title offered

Doctor of Philosophy in Civil Engineering.

Modality of study

On Campus (classes during the week, usually programmed in the afternoon hours)



www.uninorte.edu.co

CURRICULUM

Core Courses

*Approve all

Credits

- Statistical Design and Analysis.....4
- Computational Methods.....4

Mathematics Concentration

*Approve 8 credits of the offer

Elective Courses

*Approve 28 credits of the offer

Research Training Courses

*Approve 8 credits

Qualifying Examination

*Passing the exam

International Internship

*Approve 8 credits

*Minimum duration of 3 months

*Publish at least one international paper

Doctoral Thesis

*Approve 58 credits

Doctoral Thesis Defense

*Approve 2 credits

Research lines

- Environmental Engineering
- Hydric Resources
- Transportation Engineering and Road Infrastructure
- Structural Engineering and Geotechnics

*Students may choose their courses according to the academic offer of each semester. The maximum number of credits per semester is 14. Possibility of courses offered in English.

Enrollment Steps

Learn the steps and sign up by going to:
www.uninorte.edu.co/nuevoingreso

Financing

We have multiple alternatives to finance the payment of tuition in the short, medium and long term. Learn more at:
www.uninorte.edu.co/web/apoyo-financiero/posgrados

More information
here



More information

Direction of Graduate Engineering Programs
postgradosingeneria@uninorte.edu.co

Margareth Dugarte
Academic Coordinator
mdugarte@uninorte.edu.co

Valeria Chain
Administrative Coordinator
vchain@uninorte.edu.co

