MASTER IN CIVIL ENGINEERING

3 semesters · SNIES Code: 51705

Res. 13612 of august 2018 (7 years)
Metropolitan area of Barranquilla

Accreditation
Program accredited in High Quality by the National Accreditation Council (CNA). Resolution 22118 of October 2017 (6 years).

General Objective
To train professionals with high competencies in the analysis, design and implementation of efficient and effective solutions in the field of Civil Engineering, as well as in the formulation, management and development of applied research projects in the different technological and scientific disciplines that support modern Civil Engineering.

Occupational profile
Professionals with a master's degree in civil engineering can work in the areas of: 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
3 semesters, 40 credits.

Title offered
Master in Civil Engineering.

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

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CURRICULUM

Core Courses
*Approve all

Credits

•Statistical Design and Analysis.....4
•Computational methods for modeling.....4

Elective Courses
*Approve 8 credits.

Emphasis Courses
*Approve 16 credits.

Research Component
*Approve all

Credits

•Research I 2
•Research II 2
•Research III.....4

Emphasis Lines

Environmental Engineering	Transportation Engineering and Road Infrastructure	Hydric Resources	Structural Engineering and Geotechnics
Chemistry and Environmental Microbiology	Transportation Modeling Pavement Engineering	Coastal Engineering	Advanced Reinforced Concrete Design Finite Element
Water Quality	Traffic Engineering Asphaltic Materials	Fluvial Hydraulics	Seismic Resistant Design Advanced Topics in Geotechnics
Air Quality	Multimodal Transportation Pavement Administration	Hydrodinamics	Metal Structures Soil Dynamics
Environmental Pollution	Infraestructure Projects Economics Advanced Pavement Design	River Engineering	Advanced Structural Analysis Slope Stability Analysis
Solid Waste	Transportation Network Modeling Pavement Rehabilitation	Modeling on Hydrology	Dynamics of Structures Advanced Soil Mechanics
Environmental Impact	Urban Transport Slope Stability Analysis	Urban Drainage	Advanced Foundations Corrosion of Reinforced Concrete Structures

*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

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