



PH.D. IN ELECTRICAL AND ELECTRONICS ENGINEERING

8 semesters · SNIES Code: 103848

Res. 000154 of 2021 (7 years)

Metropolitan area of Barranquilla

General Objective

To train qualified researchers at doctoral level in the areas of Telecommunications Systems, Control Systems, Biomedical Systems and Electrical Systems, to respond to the problems of the region and the country. The trained researchers will have a high academic and research level to address R+D+i processes in a multidisciplinary manner with local awareness and global visibility.

Occupational profile

Researcher in the academic and productive sectors, entrepreneur, consultant. Leader of research, development and innovation processes in at least one of the following areas: Telecommunications Systems, Control Systems, Biomedical Systems and Electrical Systems. Recognized member of groups, research centers and knowledge networks to manage and lead science and technology programs and projects.

Duration

8 semesters, 120 credits.

Title offered

Doctor of Philosophy in Electrical and Electronics 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

- Systems Modeling and Simulation.....4
- Design of Experiments.....4
- Signal Processing.....4

Mathematics Concentration

*Approve 8 credits of the offer

Elective Courses

*Approve 24 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

*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

Mauricio Pardo

Academic Coordinator
mpardo@uninorte.edu.co

Valeria Chain

Administrative Coordinator
vchain@uninorte.edu.co

