

# PH.D. IN MECHANICAL ENGINEERING

8 semesters · SNIES Code: 52500

Res. 24292 of 2020 (7 years) Metropolitan area of Barranquilla

# **General Objective**

The PhD program in Mechanical Engineering at Universidad del Norte aims to train researchers in the areas of knowledge of Mechanical Engineering, with a high level of knowledge, intellectual and scientific rigor and ethical commitment, intellectually autonomous and internationally competitive, to advance knowledge in their respective field of training, through proposals for innovative national solutions to regional, international problems.

# **Occupational** profile

Optimization and Improvement of Products and Processes based on Experimental Techniques. Characterization and Analysis of Phenomena or Equipment using Fundamental Principles. Management and Formulation of Research and Technological Development Projects.

#### **Duration**

8 semesters, 120 credits.

#### Title offered

Doctor of Philosophy in Mechanical 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
Basics of Computational Mechanics	4
Experiments Design	4
Technology Innovation and Development Projects	
Mechanics of Continuous Means	4

#### **Mathematics Concentration**

\*Approve 8 credits of the offer

#### **Elective Courses**

\*Approve 20 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



## More information

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