

# MASTER IN INDUSTRIAL ENGINEERING

3 semesters · SNIES Code: 11969

Res. 8878 of 2018 (7 years)

Metropolitan area of Barranquilla

## Accreditation

Program accredited in High Quality by the National Accreditation Council (CNA). Resolution 018119 of 2021 (6 years).

## General Objective

The M.Sc in IE aims to train professionals capable of analyzing and researching business systems; as well as to design, manage and improve the production systems within an organization using the different tools of IE, in order to effectively respond to the needs of industry and to contribute to the technological and social development of the region.

## Occupational profile

The professional graduate of the Master's program in Industrial Engineering of the Universidad del Norte can perform with suitability as director, coordinator or responsible for the following areas in the industry or universities: design of productive systems, mathematical and experimental optimization of industrial operations, quality and reliability engineering, financial optimization, university teaching and research, industrial research, supply chain management.

## Duration

3 semesters, 40 credits.

## Title offered

Master in Industrial Engineering.

## Modality of study

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



[www.uninorte.edu.co](http://www.uninorte.edu.co)

# CURRICULUM

## Core Courses

\*Approve all

Credits

- Multivariate Optimization.....4
- Design and Analysis of Experiments.....4
- Operations Management.....4

## Elective and Emphasis Courses

\*Approve 20 credits.

## Research Component

\*Approve all

Credits

- Research I .....2
- Research II .....2
- Research III.....4

\*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](http://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](http://www.uninorte.edu.co/web/apoyo-financiero/posgrados)

More information here



### More information

Direction of Graduate Engineering Programs  
[postgradosingeneria@uninorte.edu.co](mailto:postgradosingeneria@uninorte.edu.co)

**Rita Peñabaena**  
Academic Coordinator  
[rpena@uninorte.edu.co](mailto:rpena@uninorte.edu.co)

**Valeria Chain**  
Administrative Coordinator  
[vchain@uninorte.edu.co](mailto:vchain@uninorte.edu.co)

