



# MASTER IN SYSTEMS AND COMPUTERS ENGINEERING

3 semesters · SNIES Code: 51796  
Res. 14024 of august 2018 (7 years)  
Metropolitan area of Barranquilla

## Accreditation

Program accredited in High Quality by the National Accreditation Council (CNA).  
Res. 4598 of March 2018 (6 years).

## Justification

The Universidad del Norte is committed to the development of the Caribbean region, which needs to improve the levels of competitiveness and productivity based on the optimization of processes, equipment and resources supported by the new technologies for the development of software and of the computers networks. This is achieved with professionals who have advanced training that have profound theoretical knowledge and a good preparation; especially in the execution of research, development and innovation projects the field of Computer Science and Engineering.

## Occupational profile

The professional with a master's degree in systems and computer engineering can work in the following areas: quality of network services, production cycles for software development, application development for networks, virtual education, software quality management, network interconnection, development platforms, information architectures, standards for software development, simulation.

## Duration

3 semesters, 40 credits.

## Title offered

Master in Systems and Computers 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

- Advanced Discrete Mathematics.....4
- Algorithms.....4
- Optimization Theory .....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

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