

Branch:Mathematical Engineering



Code: MASCEN

Option: Mathematics in science and engineering

Level: Master

Prerequisites:

Opportunities:

As a graduate of the Master of Science in Mathematics in Science and Engineering program, you are ideally prepared for the interdisciplinary professional field of software and engineering. Further opportunities are available in the development departments of various companies or in research institutions in the natural sciences and engineering.

Description :

The Master of Science in Mathematics in Science and Engineering program combines a broad background in mathematics with an applied subject such as physics, structural mechanics, fluid mechanics or medical engineering. What is the purpose of this study program?

The Master of Science in Mathematics in Science and Engineering program is aimed at students interested in a challenging mathematical education focused on engineering and natural science issues.

The focus is on basic mathematical topics such as mathematical modelling, numeracy, applied analysis, optimization, stochastic and computer science. These are complemented by an application subject such as physics, structural mechanics, fluid mechanics or medical engineering. This subject provides a

solid foundation of knowledge that prepares students to work in interdisciplinary teams.

Quality and competences:

As a graduate, you will be able to translate engineering and scientific problems into mathematical models, to analyze them mathematically taking into account the engineering context, and to communicate the results obtained to colleagues in your team in an interdisciplinary and comprehensible way.

In addition to a thorough knowledge of the basic mathematical subjects and the applied subject of your choice, you have also been able to expand your portfolio of interdisciplinary soft skills and methodological knowledge.