

Undergraduate Study Programme Mathematics

Why Mathematics?

Mathematics is the only **universal language of interpersonal** communication which is **present everywhere** in the world and at all levels of education. It is the foundation of all science and an indispensable tool in the **social sciences and economics**.

General information

Duration: 3 years (6 semesters)

Mode of study: full-time

Language of study: Slovene, English

Degree awarded: "diplomirani matematik (UN)" equiv. to B.Sc. in Mathematics

Location: Koper

Admission requirements: completed matura examination
(More about the requirements on: www.famnit.upr.si)



Modern
equipment



Research and
fieldwork



International
exchanges



Various
extracurricular
activities

Benefits of the study at UP FAMNIT?

- **Modern** study programme
- Relatively **small and young collective**; easier adaption to your expectation and needs
- Possibility to **continue your study** at Master's or Doctoral studies
- **Flexibility** in elective courses selection
- **Organization** of various **international conferences and summer schools**
- Encouraging students to participate in **international mathematical competitions**
- The study provides a **pleasant Mediterranean environment** with an active student life and many extra-curricular activities

My career opportunities?

In the fields of:

- computer and Information Science (computer and related companies and institutions),
- statistics (e.g. Statistical Office, insurance companies, banks),
- mathematical finance (insurance companies, banks, stock exchange, brokerage firms),
- gambling theory (lottery, sports lottery),
- education.

Graduates in mathematics have a lot of employment possibilities. Their studies will provide them with knowledge and skills that are indispensable for work and promotion in any field, and more specifically with opportunities for employment in business and research fields.

What do students think about studying at UP FAMNIT?

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Studying at UP FAMNIT is a great pick, because students here are not just “numbers”, besides, you can also establish a good relationship with our professors. Why choosing the mentioned study? Because you learn how to solve and think about mathematical problems through different angles, which can be used later in your life and you can share it with others as well.

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Course structure

1st year

Algebra I - Matrix Calculus
Algebra II - Linear Algebra
Analysis I - Foundations of Analysis
Analysis II - Infinitesimal Calculus
Discrete Mathematics I - Set Theory
Discrete Mathematics II - Combinatorics
Mathematical Practicum I
Computer Practicum
Computer Science I
Mathematical Topics in English I

2nd year

Algebra III - Abstract Algebra
Algebra IV - Algebraic Structures
Analysis III - Functions of Many Variables
Analysis IV - Real Analysis
Physics
Introduction to Numerical Calculations
Computer Science II
Probability
Internal Elective Course
External Elective Course

3rd year

Mathematical Modelling
Statistics
6x Internal Elective Course
2x External Elective Course

