

Master's Study Programme

Mathematics with Financial Engineering

Why Mathematics with Financial Engineering?

Addressing today's **complex scientific and practical challenges** requires expertise in computer science and mathematical analysis. This Master's programme **combines mathematics and computer science** with a strong practical focus. Its interdisciplinary curriculum, including artificial intelligence and statistics, **prepares graduates** to excel in modern economic science, academia, public administration, and industry.



Modern equipment



Laboratory and fieldwork research



International exchanges



Various extracurricular activities

General information

Duration: 2 years

Mode of study: full-time

Language of study: Slovene

Degree awarded: Master's degree in Financial Mathematics

Location: Koper

Benefits of the study at UP FAMNIT?

- An interdisciplinary combination of knowledge for those who want to actively **engage with developments in modern economic science**
- An in-depth understanding of mathematics in financial engineering
- Opportunities to **participate in research projects** within the department and the Andrej Marušič Institute of the University of Primorska
- An **international team** of professors and researchers
- Opportunities to actively engage in research and international **exchange programmes**
- Study in a **pleasant Mediterranean environment** with a vibrant student life and a wide range of extracurricular activities

My career opportunities

Graduates may pursue careers in:

- Financial mathematics, including banks, insurance companies, stock exchanges, brokerage firms, pension funds, and health insurance funds
- Public administration and government agencies
- Audit and consulting firms
- The logistics sector
- Other fields requiring a combination of expertise in economics and finance together with strong analytical skills, such as strategic planning and logistics departments in large organisations

Graduates may also contribute to research and development in financial institutions or pursue independent scientific research at economic research institutes.

What do students think about studying at UP FAMNIT?



The Master's programme has been extremely valuable and an excellent foundation for my professional career. The professors were always willing to share their knowledge and expertise, while the students supported one another and fostered a collaborative learning environment.

- Sabrina -



Course structure

1st year

Compulsory courses
Internal elective courses
External elective courses
Seminar I

2nd year

Compulsory courses
Internal elective courses
External elective courses
Seminar
Master's Thesis

Basic Courses

Probability II
Financial Engineering Practicum
Statistical Practicum
Game Theory
Fiscal Policy Analysis
3x Internal elective course
External elective course
Seminar I
Selected Topics in Financial Mathematics
Internal elective course IV
Internal elective course V
External elective course II
External elective course III
Seminar II
Master's Thesis

