Undergraduate
Study Programme
Computer Science

Why Computer Science?

Computer science as **one of the fastest growing** branches of the economy, provides graduates with countless employment opportunities. For a number of years, computer companies and information sectors in the region have been **faced with a lack of quality computer and information personnel**. The Computer Science programme will equip students with knowledge and skills indispensable for work and promotion.

Modern equipment

General information

Duration 3 years

Mode of study: full-time

Language of study: Slovene, English

Degree awarded: "diplomirani inženir računalništva in informatike (UN)" equiv. to B.Sc. in Computer Science

Location: Koper

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

Research and fieldwork

Benefits of the study at UP FAMNIT?

- An **internationally comparable and modern study programme** designed by the guidelines of the **global Association for Computing Machinery (ACM)**
- **Recognized** lecturers and scientists
- Various possibilities of **participating in international student exchanges**
- Encouraging students to participate in **computer competitions on the national and international scale**
- Research opportunities at the **HICUP Lab (Human-Computer Interaction Laboratory of UP)**
- Possibility to **continue your study** at Master's or Doctoral studies

International exchanges

Various extracurricular activities

My career opportunities?

In the fields of:
- system administration (computer and other companies and institutions),
- programming (computer companies),
- information system design and development,
- education.

In addition to the basic knowledge of computer science and basic mathematical skills, students acquire a wide range of subjects and general knowledge, which gives them an insight into other fields of study and thus more opportunities for employment.

What do students think about studying at UP FAMNIT?

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Studying at UP FAMNIT allowed me to meet and work with amazing people. I chose Computer Science not just because it gives me a basic knowledge of information technologies and programming in a theoretical way, but also allows me to apply knowledge within interesting projects and workshops.

- Pavel -

Course structure

1st year

Mathematics I - Analysis I
Mathematics II - Algebra I
Theoretical Computer Science I – Discrete Structures
Theoretical Computer Science II – Formal Languages and Computability
Programming I
Programming II – Concepts of Programming Languages
Systems I – Hardware
Systems II – Operating Systems and Computer Networks
Computer Practicum I
Computer Practicum II

2nd year

Mathematics III – Algebra II
Mathematics IV – Combinatorics with Graph Theory
Data Structures and Algorithms
Programming III – Concurrent Programming
Systems III – Information Systems
Introduction to Database Systems
Computer Networks
2x Elective Course - Internal Elective
External Elective, English Language

3rd year

Theoretical Computer Science III – Information Theory
Software Engineering
Information Technology Management
3x Elective Course - Internal Elective
3x Elective Course - External Elective
Seminar – Final Project Paper