SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister inženir računalništva in informatike/magistrica inženirka računalništva in informatike

Selected qualifications

Name of qualification	Magister inženir računalništva in informatike/magistrica inženirka računalništva in informatike
Translated title (no legal status)	Master of Science in computer and information technology engineering
Type of qualification	Diploma druge stopnje
Category of qualification	Izobrazba
Type of education	Master's education
Duration	2 years
Credits	120 credits

Admission requirements

• Completed first-cycle studies in the field of computer or information science, or natural science and technical studies (e.g. mathematics, physics, electrical engineering, chemistry and chemical technology, mechanical engineering, construction, etc.), or
• completed first-cycle studies and completion of the following examinations from a Faculty of Computer and Information Science first-cycle programme: Basic Programming, Discreet Structures, Basics of Digital Circuits, Architecture of Computer Systems, Basics of Information Systems or a subject covering the aforementioned courses mastered during the course of first-cycle studies.

ISCED field

Field
Informacijske in komunikacijske tehnologije (IKT)

ISCED subfield

subfield informacijske in komunikacijske tehnologije (ikt), podrobneje neopredeljeno

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder is qualified to:

(general competences)

- develop critical, analytical and synthetic thinking,
- define, understand and creatively address professional challenges in computer and information science fields,
- use acquired knowledge to independently resolve technical and scientific problems relating to computer and information science, and enhance previously acquired knowledge,
- master research methods in the field of computer science,
- manage research, industrial, pedagogical and other processes in the field of computer and information science in administrative terms,
- communicate technically in writing in the field of computer and information science in the student's native language and at least one foreign language,
- share knowledge,
- search for sources and critically assess information,
- respect security, functional, economic and environmental protection principles,
- work in a professional group, and
- develop professional responsibility and ethics.

(subject-specific competences)

- demonstrate basic theoretical knowledge, practical knowledge and skills essential for the field of computer and information science,
- demonstrate in-depth understanding and the ability to integrate computer and information science

knowledge in other relevant technical and vocational fields (e.g. economics, organisational sciences, etc.),
- transfer knowledge to co-workers in technological and research groups,
- demonstrate practical knowledge and skills in the use of software, hardware and information technologies that are necessary for the successful work of an expert in the field of computer and information science, and
- independently perform complex developmental engineering and organisational tasks and less complex research tasks in areas relating to own work, and
- continue studies in the third cycle and at the doctoral level.

Assessment and completion

Examination performance is scored as follows: 10 (excellent); 9 (very good: above-average knowledge but with some mistakes); 8 (very good: solid results); 7 (good); 6 (adequate: knowledge satisfies minimum criteria); 5–1 (inadequate). In order to pass an examination, a candidate must achieve a grade between adequate (6) and excellent (10).

Progression

All first-year examinations must be completed to progress to the second year.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

Fulfilment of all prescribed requirements totalling at least 96 credits, master's thesis drawn up and submitted in accordance with the relevant rules, assessed at 24 credits, and the successful public presentation of the master's thesis.

Awarding body

University of Ljubljana, Faculty of Computer and Information Science

URL

https://www.fri.uni-lj.si/en