SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister informacijskih in komunikacijskih tehnologij/magistrica informacijskih in komunikacijskih tehnologij

Selected qualifications

Name of qualification	Magister informacijskih in komunikacijskih tehnologij/magistrica informacijskih in komunikacijskih tehnologij
Translated title (no legal status)	Master of Science in information and communication strategies
Type of qualification	Diploma druge stopnje
Category of qualification	Izobrazba
Type of education	Master's education
Duration	2 years

Credits

120 credits

Admission requirements

• A completed first-cycle study programme from the fields of natural science, technology or computer science totalling at least 180 credits, or a higher education study programme from one of the same fields comprising at least three years of lectures and active knowledge of English or
• completed first-cycle study programme totalling 180 credits from other fields, with the completion of other study requirements (totalling between 10 and 60 credits), or
• completed first-cycle study programme totalling 240 credits from the fields of natural science, technology or computer science qualifies a student for enrolment in the second year of the second cycle and results in the recognition of requirements totalling 60 credits.

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)

- research, select and organise information, and synthesise solutions and anticipate their consequences,
- apply research methods, procedures and processes, and develop critical and self-critical assessment,
- apply acquired knowledge in practice,
- perform professional work autonomously, and perform activities responsibly and creatively,
- develop communication skills, particularly in the international environment,
- develop ethical reflection, and commitment to professional ethics and regulations, and
- cooperate and work to resolve common tasks and problems within a group and in the international environment.

(subject-specific competences)

- possess knowledge of the development of computer science and understand the concepts of computer architecture,
- possess knowledge of the construction and operation of the primary functional elements of

computer systems,
- possess knowledge of advanced computer architectures, and their characteristics and limitations in terms of possible applications in practice,
- possess knowledge of the concepts and principles of data mining and the identification of principles in databases,
- recognise various types of telecommunication networks and analyse their capacities, as the basis for introducing telecommunication services,
- understand basic physical events and processes in telecommunication systems,
- understanding the functioning of internet networks,
- understand the functioning of state-of-the-art network technologies,
- select and apply approaches and methodologies for handling and administering systems that rely on internet protocol stacks,
- identify required data and select the appropriate tools required to plan networks,
- continue research and development work relating to digital transfer and internet technologies,
- optimise software, taking into account the characteristics of a given computer architecture,
- integrate knowledge and master complexity when resolving specific problems in computer applications,
- use specific data mining techniques,
- create applications with data mining tools,
- assess and evaluate the results of data mining,
- possess knowledge of benchmarking concepts for the interpretation and presentation of the benchmarking results, and
- acquire basic engineering knowledge by combining existing solutions.

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

Students may enrol in a higher year if by the end of the academic year they have met all enrolment requirements defined by the study programme.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

Students must meet all compulsory and elective requirements, have published or have accepted for publication at least one work in international scientific or professional publications, or have a patent or successful transfer to production that relates to the master’s thesis and the successful oral presentation thereof. The master’s thesis must be independent and original, and derive from the relevant study programme.

Awarding body

Jožef Stefan International Postgraduate School

URL

http://www.mps.si/splet/studij.asp?lang=eng&main=1&left=7&left1=1&left2=3&id=5&m=3