

Archived

Magister geofizike/magistrica geofizike

Selected qualifications

Name of qualification	Magister geofizike/magistrica geofizike
Translated title (no legal status)	Master's degree in geophysics
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 in civil engineering, mathematics, physics, meteorology with geophysics, geology, geotechnology and mining; or
- a completed first-cycle programme in another natural science, engineering or other field not covered by the previous indent, if prior to enrolment the candidate has completed course units essential for the further study of geophysics or a specific module, totalling at least 46 credits, in the fields of mathematics, physics, hydrology and water management, meteorology, geology, geotechnology and mining, or other earth sciences.

ISCED field

Field
Naravoslovje, matematika in statistika

ISCED subfield

subfield geoznanosti

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder will be able to:

(general competences)

- abstract and analyse general geophysical findings and phenomena in the solid Earth, the atmosphere and the hydrosphere,
- synthesise and critically assess solutions to problems,
- resolve certain practical problems using geophysical methods,
- carry out autonomous professional work and research and work in a group,
- demonstrate broad general knowledge and knowledge of academic fields,
- frame, understand and creatively address problems, principles and theories,
- show a high degree of creativity and innovation as the result of the interdisciplinary nature of the study programme,
- critically read and understand texts, acquire knowledge and find sources autonomously,
- think critically, analytically and synthetically,
- transfer and apply theoretical knowledge into practice and resolve complex technical and work-related problems,
- show a sense of professional and ethical responsibility,
- develop linguistic and numerical literacy, speak in public and communicate with customers and the non-specialist and specialist public,
- use foreign technical language in written and spoken communication,
- use modern information and communications technology, including in an international environment,
- make interdisciplinary connections, including in an international environment,
- take into account safety-related, functional, economic, environmental protection and ecological aspects in their work,

(subject-specific competences)

- show a general awareness of the basic natural laws governing geophysical phenomena,
- show connections between various natural phenomena,
- demonstrate proficiency in advanced measurement and observation skills,
- deal qualitatively with events and model them,
- make critical comparisons between modelled values and values actually measured in nature,
- carry out quantitative analysis of more complex problems from geophysics,
- analyse and present results in tabular, graphical or some other clear form, including spatial and temporal variability.

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 the next year if by the end of the academic year they have completed all course units prescribed by syllabuses and accumulated 60 credits.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

In order to complete the programme, students must complete all prescribed course units, including a master's thesis, for a total of 120 credits.

Awarding body

University of Ljubljana, Faculty of Mathematics and Physics, Faculty of Civil and Geodetic Engineering, Faculty of Natural Sciences and Engineering

URL

<http://www.ntf.uni-lj.si/en/>
