SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister inženir geodezije in geoinformatike/magistrica inženirka geodezije in geoinformatike

Selected qualifications

Name of qualification	Magister inženir geodezije in geoinformatike/magistrica inženirka geodezije in geoinformatike
Translated title (no legal status)	Master of Science of Geodesy and Geoinformatics
Type of qualification	Diploma druge stopnje
Category of qualification	Izobrazba
Type of education	Master's education
Duration	2 years
Credits	120 credits

Admission requirements

• Graduates of the first-cycle academic higher education programme in land surveying and geo-informatics; or
• graduates of the first-cycle professional higher education programme in the technical management of immovable property, who have passed differential examinations in the following subjects from the first-cycle academic higher education programme in land surveying and a geo-informatics: Mathematics 2, Physics and Higher Land Surveying – for a total of 20 credits; differential examinations may be taken as elective subjects during the first-cycle study programme or during an additional bridging year; or
• graduates of a professional higher education programme in land surveying before the introduction of the Bologna programmes; or
• graduates of a first-cycle academic higher education programme in another field, where for such candidates an individual bridging programme consisting of 10–60 ECTS is defined; or
• graduates of a first-cycle professional higher education programme in another related (engineering and earth sciences) field, where for such candidates an individual bridging programme consisting of 10–60 ECTS is defined; or
• graduates of other related (engineering and earth sciences) professional higher education programmes before the introduction of the Bologna reform, where for such candidates an individual bridging programme consisting of 10–60 ECTS is defined.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield arhitektura, prostorsko načrtovanje in urbanizem

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder will be able to:

(general competences)

- demonstrate broad general knowledge and knowledge of academic fields and scientific methods of work,
- define, research, understand and creatively address problems, principles and theories,
- critically read and understand texts, acquire knowledge and find sources autonomously,
- think critically, analytically and synthetically,
- transfer and apply theoretical knowledge into practice, resolve technical and work-related problems and make interdisciplinary connections,

- develop professional and ethical responsibility,
- develop scientific literacy, speak in public and communicate with customers, disseminate and communicate knowledge and results,
- use foreign technical language in written and oral communication, communicate in international and national scientific circles,
- use information and communication technologies,
- take into account safety-related, functional, economic, environmental protection and ecological aspects in their work,
- develop moral and ethical criteria (an honest attitude towards work with customers, offering impartial advice, independence and professionalism in accordance with applicable legislation),
- create an objective view of the environment and society,
- accept obligations towards customers and employers and towards society as a whole,

(subject-specific competences)

- demonstrate understanding of the role and importance of land surveying in modern society,
- autonomously tackle all types of professional and development tasks in the field of land surveying and geo-informatics,
- demonstrate understanding of and use and develop modern geodetic methods and technologies,
- plan, organise, manage and carry out land surveying work in the establishment, maintenance and renovation of a basic geodetic system,
- plan, organise, manage and carry out land surveying work in the course of detailed geodetic measurement,
- plan, organise, manage and carry out land surveying work in the course of construction of all types of buildings,
- participate in the planning, design and implementation of spatial developments,
- plan, organise, manage and perform land surveying work for the needs of immovable property records,
- plan, organise and maintain geographic, cartographic and land information systems,
- plan, organise, manage and implement works in the field of topography and cartography,
- plan, organise, manage and implement works in the field of photogrammetry and remote sensing,
- participate in the preparation of spatial planning documents,
- coordinate work between developers, planners and spatial development contractors,
- demonstrate familiarity with legal, administrative and economic systems in so far as they are relevant to land surveyors,
- manage land surveying companies,
- manage public services in the field of land surveying (spatial planning),
- manage spatial planning agencies.

Assessment and completion

Examination performance is graded 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 course units prescribed by syllabuses consisting of at least 45 ECTS 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, for a total of 120 ECTS credits.

Awarding body

University of Ljubljana, Faculty of Civil and Geodetic Engineering

URL

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