SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister ekotehnologije/magistrica ekotehnologije

Selected qualifications

Magister inženir gozdarstva/magistrica inženirka gozdarstva

Name of qualification	Magister ekotehnologije/magistrica ekotehnologije
Translated title (no legal status)	Master of Science in ecotechnology
Type of qualification	Diploma druge stopnje
Category of qualification	Izobrazba
Type of education	Master's education
Duration	2 years
Credits	120 credits

Admission requirements

Admission requirements Enrolment in the first year of the second-cycle programme is open to candidates who have completed:
• a first-cycle study programme consisting of at least 180 credits in a science, engineering or computing field, or a higher education programme in one of these fields comprising at least three years of lectures. Candidates must also be actively proficient in English, which they may prove by means of language certificates.
• Graduates of first-cycle study programmes consisting of 180 credits in other fields may submit an application to the MPŠ studies committee, which defines the course units candidates must complete before enrolling in the first year. These course units – determined with reference to how different the field is, and taken from the contents of the first-cycle programme – consist of between 10 and 60 credits. Candidates may complete them during the first-cycle programme, during supplementary study programmes or by passing examinations before enrolment in the master's programme.
• Candidates who have completed a first-cycle (undergraduate) programme consisting of 240 credits in the natural science, technology or engineering fields may enrol in the second year of the second-cycle programme; 60 credits are recognised for such candidates. On enrolment, compulsory examinations consisting of between 18 and 21 credits are defined on an individual basis, so that candidates can acquire knowledge that complements their previous studies.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield interdisciplinarne izobraževalne aktivnosti/izidi, pretežno tehnika, proizvodne tehnologije in gradbeništvo

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

Qualification holders are qualified to:

(general competences)

- research, select and organise information and synthesise solutions and anticipate their consequences,
- master research methods, procedures and processes, develop critical and self-critical assessment,
- apply knowledge in practice,
- perform professional work autonomously, and perform activities responsibly and creatively,
- develop communication skills and abilities, particularly in the international environment,
- develop ethical reflection and a commitment to professional ethics and regulations,

- demonstrate cooperativeness and work to resolve common tasks and problems within a group and in an international environment.

(subject-specific competences)

- demonstrate knowledge of the basics of environmental protection techniques, material and energy balance and process systems technology,
- demonstrate understanding of integrated planning of power production and distribution in the business sector, including environmental evaluation of energy consumption and energy processes, management of internal energy systems in connection with the public energy supply system, energy and emissions trading, and evaluation of operational and investment-based improvements,
- integrate different forms of knowledge in the identification and analysis of environmental problems and in evaluation of and decisions on the use of environment, in connection with development programmes, plans and policies,
- analyse the ethical aspects of practices, institutions and evaluations relating to the environment and nature,
- identify the social significance of scientific findings and the responsibility of planners for interventions in the natural, social and cultural environment,
- demonstrate understanding of the legal aspect of environmental protection, in both European and national legislation,
- demonstrate knowledge of the basics of ecology and ecotoxicology for students from a non-biology background,
- discover knowledge from environmental data,
- continue research and development work in the field of ecotechnology,
- demonstrate knowledge of the concepts of ecotechnology,
- acquire the basics of scientific and technical knowledge from the field of ecotechnology in the form of a combination of existing solutions.

Assessment and completion

Students' knowledge is assessed by means of practical exercises and seminar papers, and also via products, projects, performances, services, etc. and by examinations. 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

In order to progress to the second year, students must complete all the course units defined by the study programme for progression.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

In order to complete the third-cycle programme, candidates must:

- complete all course units in compulsory and elective subjects,
- publish or have accepted for publication at least two works or patents in international scientific publications, of which at least one in a journal indexed in SCI or Web of Science, with an impact factor,
- after meeting the requirements of the first two points, successfully defend a doctoral dissertation. The doctoral dissertation must be an autonomous and original contribution to a scientific discipline.

Awarding body

Jožef Stefan International Postgraduate School, University of Ljubljana

URL

http://www.mps.si/splet/index.asp?lang=eng