
Magister inženir agronomije/magistrica inženirka agronomije

Selected qualifications

Name of qualification	Magister inženir agronomije/magistrica inženirka agronomije
Translated title (no legal status)	Master of Science in agronomy 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 academic or professional higher education programme in a life discipline or biotechnology discipline provided by the Biotechnical Faculty or another faculty in Slovenia or abroad, or
- completed first-cycle academic or professional higher education programme in another field at a faculty in Slovenia or abroad amounting to at least 180 credits, if the candidate additionally completes 10–60 credits from the selection of subjects under the first-cycle academic programme Agriculture – agronomy or
- completed professional higher education programme adopted prior to 11 June 2004 in a life discipline or biotechnology discipline provided by the Biotechnical Faculty or another faculty in Slovenia or abroad, or
- completed professional higher education programme adopted prior to 11 June 2004 in another field at a faculty in Slovenia or abroad amounting to at least 180 credits, if the candidate additionally completes 10–60 credits from the selection of subjects under the first-cycle academic programme Agriculture – agronomy.

ISCED field

Field
Kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

ISCED subfield

subfield kmetijstvo, podrobneje neopredeljeno

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder will be able to:
(general competences)

- analyse individual phases of plant production, apply environment-appropriate technology and envisage the negative consequences of agriculture for the environment as well as the role of agriculture in preserving the cultural landscape,
- pursue interdisciplinary and team work and link together theoretical findings in environmental studies (studies of soil, agrometeorology, hydrology), natural sciences (biology, chemistry, physics, mathematics) with plant production technologies (field cultivation, grassland management, phytomedicine, plant breeding, mechanisation in agriculture),
- link together knowledge from various sources (lectures, practical classes, field lessons, on-the-job training, textbooks, professional and scientific literature, databases, internet) and apply it on various levels (studies, work on the master's thesis, practical training, employment) and in socio-economic situations (agricultural production work, implementing environmental protection measures, in trade, government and administrative services related to agriculture, and in research),
- demonstrate independence, criticism of their own work and the work of others, professionalism in their work enabling an ethical attitude to technical and research work,
- communicate in their working and living environment, where they offer and link their knowledge

with others,

(subject-specific competences)

- master technological knowledge in field cultivation, use and maintenance of grassland, phytomedicine, plant breeding, genetics and biotechnology as the essential foundations of plant production,
- master methods of arranging agricultural land, methods of analysing and monitoring agricultural soil, types of vegetation and the harmful effects of pollution on the soil, vegetation and ground water,
- demonstrate knowledge and skills in the area of the natural science and environmental foundations of agronomy in connection with agricultural technologies, protection of the environment and agricultural land, enabling employment in senior positions in agricultural production and in other agriculture-related sectors, as well as in education and research,
- introduce the ecosystem principle into the technological foundations of food production and spatial management, and thereby develop an understanding of agronomy as an interdisciplinary discipline that links together the natural environment, agro-ecosystems and the socio-economic aspects of agricultural production,
- introduce elements of sustainable development into agricultural production along the lines of natural ecosystems' operation,
- understand the environmental, landscape and socio-economic role of agriculture,
- master methods for monitoring the state of the environment in agriculture and elsewhere, with emphasis on monitoring changes in soil use and the consequences of pollution from various sources and climate change,
- critically assess, monitor and eliminate the harmful effects of agricultural production on the environment,
- be familiar with domestic, European and international environmental legislation, and with activities and measures associated with it, especially regarding the farming sector,
- communicate and seek information from various tools and via different sources,
- pursue continuing development and education.

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

To enrol in the second year, students must have completed all practical classes and have completed 45 credits.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

To complete their studies, students must meet all requirements for all subjects in which they have enrolled, and produce and defend a master's thesis.

Awarding body

University of Ljubljana, Biotechnical Faculty

URL

<http://www.bf.uni-lj.si/en/deans-office/study-programmes/master-study-programs-second-cycle/agronomy/>
