SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister kmetijstva/magistrica kmetijstva

Selected qualifications

Name of qualification	Magister kmetijstva/magistrica kmetijstva
Translated title (no legal status)	Master of Science in agriculture
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 study programme in the technical field of agriculture or
• a completed first-cycle study programme in the technical fields of biology, chemistry, biotechnology, technical, medical and economic studies, if prior to enrolment the candidate completes course units essential for further study, totalling 30 ECTS credits, obtained by completing obligations in the following subjects under the academic programme Agriculture: Fruit growing, Wine growing, Horticulture, Agricultural technology, Animal Husbandry I and Genetics or
• a completed professional higher education programme in the technical fields of agriculture adopted prior to 11 June 2004 or
• a completed professional higher education programme adopted prior to 11 June 2004 in the technical fields of biology, chemistry, biotechnology, technical, medical and economic studies, if prior to enrolment the candidate completes course requirements essential for further study, totalling 30 ECTS credits, obtained by completing obligations in the following subjects under the academic programme Agriculture: Fruit growing, Wine growing, Horticulture, Agricultural technology, Animal Husbandry I and Genetics.

ISCED field

Field
Kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

ISCED subfield

subfield interdisciplinarne izobraževalne aktivnosti/izidi, pretežno kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

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

- demonstrate general mastery of research methods, procedures and processes in agriculture,
- critically assess applied theoretical results in practice,
- critically evaluate the applicability of exact scientific methods and their results,
- analyse, synthesise and envisage the consequences of solving problems, and develop critical and self-critical assessment,
- demonstrate coherent mastery of basic knowledge, integrate knowledge from various areas and apply it,
- demonstrate autonomy in research and professional work,
- develop communication skills, particularly in the international environment,
- demonstrate a capacity for ethical reflection and a commitment to professional ethics,
- demonstrate cooperativeness and work in a group (including in an international environment),
- use organisational skills to support successful business decisions,
- analyse, evaluate and document various technological solutions,
- plan, implement and supervise technological decisions,

(subject-specific competences)

- implement research work,
- develop new technologies of plant protection from harmful organisms and formulate professional expertise in ecological studies to develop legislation related to agricultural production,
- understand the fundamental discipline Biosystems Engineering and its connection to the sub-disciplines: Mechanical engineering, Materials, Materials processing and so on, as well as the related disciplines: GPS, GIS, IT, Automation of production processes, Visualisation of biological processes and so on,
- solve specific problems in the field of biosystems engineering through the application of scientific methods and procedures,
- know and understand the historical development of biosystems engineering,
- place new information and interpretations in the context of biosystems engineering,
- know and understand key issues in the research and development field of production of ornamental plants, vegetables and field crops intended primarily to produce food and for human consumption,
- market ornamental plants, vegetables and alternative field crops,
- independently, creatively and professionally solve challenging technological and developmental problems in fruit growing and wine growing,
- independently coordinate demanding technological projects in fruit growing and wine growing,
- transfer theoretical findings to fruit growing and wine growing practice,
- independently seek optimal solutions to problems in their professional field by analysing the situation and linking theory and practice,
- master research approaches and the special features of research in organic farming,
- act ethically and show a commitment to professional ethics,
- demonstrate knowledge in the field of methodologies of scientific research, statistical and biometric methods in research, IT and project management,
- analytically, critically and independently solve problems in animal husbandry,
- lead work and link knowledge from the field of animal husbandry to the wider agricultural sector as a branch of the economy,
- work responsibly with animals, taking account of all legal and ethical criteria.

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 must complete requirements from the first year totalling 45 credits to progress to the second year.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

Students complete their studies when they have met all requirements prescribed by the study programme, written and successfully defended a master’s thesis and completed a total of at least 120 credits.

Awarding body

University of Maribor, Faculty of Agriculture and Biosystemic Studies

URL

http://www.fkbv.um.si/en