SLOVENSKO
OGRODJE
KVALIFIKACIJ

Diplomirani inženir agronomije (un)/diplomirana inženirka agronomije (un)

Selected qualifications

Name of qualification	Diplomirani inženir agronomije (un)/diplomirana inženirka agronomije (un)
Translated title (no legal status)	Bachelor of Science in agronomy engineering
Type of qualification	Diploma prve stopnje (UN)
Category of qualification	Izobrazba
Type of education	Academic bachelor's education
Duration	3 years
Credits	180 credits

Admission requirements

• Matura or
• vocational matura and an examination in one of the matura subjects; the selected subject may not be a subject which the candidate has already taken in the vocational matura; or
• school-leaving examination (prior to 1 June 1995) under any four-year secondary school programme.

ISCED field

Field
Kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

ISCED subfield

subfield kmetijstvo, podrobneje neopredeljeno

Qualification level

SQF 7
EQF 6
First level

Learning outcomes

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

- master basic and applied biotechnical and agronomic knowledge allowing adequately structured analysis and synthesis of a sustainable production paradigm,
- holistically envisage the effects of practical solutions and their consequences for the system of sustainable farming,
- master basic quantitative and qualitative methods of research in the fields of natural science, technology and economics,
- understand and be familiar with procedures of evaluation of research results,
- optimise existing sustainably oriented technological solutions,
- independently and autonomously implement technological processes in the field of agronomy,
- creatively use information technology and develop it in target areas,
- master communication skills and pursue intra-disciplinary and interdisciplinary dialogue in adopting and implementing technological decisions,
- develop a sense of professional and ethical responsibility and of including ethical criteria in judgements,
- show a capacity for independence and self-criticism, and also for constructive dialogue with scientific, expert and lay domestic and international groups,

(subject-specific competences)

- understand the genesis of agronomy as an interdisciplinary branch that links the environment, agricultural plants and the socio-economic aspect of production,
- understand the economic causes and factors of agricultural development and its passing and negative external effects,
- resolve independently and in groups specific technological problems from the aspect of sustainable production of plant food using basic scientific methods and acquired professional skills, along with an openness to communication on various levels of decision-making,
- be familiar with key economic concepts used in analysing the economic characteristics and circumstances in the use of natural resources,

- link together fundamental knowledge of biology and soil chemistry, morphology, growth and development of plants and climate factors, and their application in the technological field,
- be familiar with the basic characteristics of plant species, the principles of heredity and their inclusion in modern biotechnology procedures in propagating agricultural plants,
- link together modern views of rural development and processes of socio-economic transformation,
- understand the principles of generating and synthesising new information, its critical analysis and inclusion regarding the specific information need in agronomic subjects,
- be familiar with and understand the substantive structuring of agronomy and the link between individual areas of plant food production (field cultivation, grassland, fruit-growing, wine growing and horticulture),
- understand and apply entrepreneurial principles, methods for optimising production and critical analysis in developing integrated and organic plant production and their use in solving specific technological problems,
- develop practical skills enabling the identification of critical points in the technological process and the seeking – through theoretical knowledge and familiarity with the growth and development of plants – innovations that serve to enhance existing technological processes,
- independently implement technological processes in the field of agronomy,
- search for relevant information and keep abreast of domestic and foreign professional literature through modern communication channels and its critical evaluation and use.

Assessment and completion

Students' knowledge is assessed by means of practical classes and seminar papers, and also via products, projects, performances, services, etc. and by examinations. 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 the obligations in all enrolled subjects and completed 57 credits, and to enrol in the third year they must have completed all the obligations of the first and second years, including practical training and have completed 120 credits.

Transitions

Second-cycle master's study programmes (SQF level 8)

Condition for obtaining certificate

To complete their studies, students must complete all requirements for all subjects in which they have enrolled, successfully complete practical training and write and defend a diploma project.

Awarding body

University of Ljubljana, Biotechnical Faculty

URL

http://www.bf.uni-lj.si/en/deans-office/study-programmes/academic-study-programmes/agriculture-agronomy/