SLOVENSKO
OGRODJE
KVALIFIKACIJ

# Diplomirani biosistemski inženir (vs)/diplomirana biosistemska inženirka (vs)

## Selected qualifications

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| **Name of qualification** | Diplomirani biosistemski inženir (vs)/diplomirana biosistemska inženirka (vs) |
| **Translated title (no legal status)** | Bachelor of Applied Science in biosystems engineering |
| **Type of qualification** | Diploma prve stopnje (VS) |
| **Category of qualification** | Izobrazba |
| **Type of education** | Professional bachelor's education |
| **Duration** | 3 years |
| **Credits** | 180 credits |
| **Admission requirements** | • Matura or<br>• vocational matura; or<br>• 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  interdisciplinarne izobraževalne aktivnosti/izidi, pretežno kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

## Qualification level

SQF 7
EQF 6
First level

## Learning outcomes

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

- analyse, synthesise and envisage solutions and consequences,
- master research methods, procedures and processes, develop critical and self-critical assessment,
- apply acquired theoretical knowledge in practice,
- perform professional work autonomously,
- develop communication skills, particularly in the international environment,
- demonstrate a capacity for ethical reflection and a commitment to professional ethics,
- record and analyse a problem and foresee operational solutions to mechanical and biological problems,
- demonstrate cooperativeness and work in a group (including in an international environment),

(subject-specific competences)

- demonstrate knowledge and understanding of the foundation and history of development of the fundamental discipline or profession,
- resolve specific work problems relating to mechanical and biological processes using standard technical methods and procedures,
- demonstrate coherent mastery of basic knowledge, integrate knowledge from various areas and apply it,
- place new information and interpretations in the context of the fundamental discipline,
- understand and apply critical analysis methods and development theories, and apply them in solving specific work problems,
- develop skills in the application of knowledge in their specific technical work area,
- continuously use information and communication technology in their own specific technical working field.

## 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

Progress from the first to the second year requires the completion of all study obligations and practical classes, as well as examinations in the amount of 45 out of a total of 60 credits (75%). In order to advance to the second year, students must pass the following examinations: Mathematics, Chemistry, Biomechanics, Molecular biology and Systems biology. To advance from the second to the third year, students must complete all the first-year obligations (60 credits) and complete at least 45 credits from the second year, including the obligatory passing of the following examinations: IT basics, Botany and Basics of plant production.

## Transitions

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

## Condition for obtaining certificate

Students complete their studies when they have passed all the examinations, practical training or have completed at least 180 credits, and have successfully defended their final paper.

## Awarding body

University of Maribor, Faculty of Agriculture and Biosystemic Studies

URL

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