SLOVENSKO
OGRODJE
KVALIFIKACIJ

Doktor znanosti/doktorica znanosti s področja ekotehnologije

Selected qualifications

Name of qualification	Doktor znanosti/doktorica znanosti s področja ekotehnologije
Translated title (no legal status)	Doctor of Philosophy in the field of ecotechnology
Type of qualification	Doktorat
Category of qualification	Izobrazba
Type of education	Doctoral education
Duration	3 years
Credits	180 credits

Admission requirements

• a second-cycle study programme,
• an integrated master's programme consisting of 300 ECTS credits,
• a previous (pre-Bologna) programme leading to an academic higher education qualification,
• graduates of former study programmes leading to a specialisation who have previously completed a professional higher education programme may enrol in third-cycle study programmes after completing an individual research component consisting of 30 credits,
• course units totalling 60 credits are recognised in the third-cycle doctoral programme for graduates of former study programmes leading to a pre-Bologna research master's degree or a specialisation following completion of an academic higher education programme. On enrolment, compulsory supplementary examinations consisting of up to 24 credits are defined on an individual basis, so that candidates can acquire the complete knowledge base necessary to enter the programme. These examinations are defined from the range of subjects covered by the doctoral programme. The sum of all credits from compulsory supplementary examinations, the individual research component, second- and third-year seminars and any elective subjects of the candidates' own choice is 120, meaning that together with the 60 recognised credits, candidates accumulate a total of 180 credits.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

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

Qualification level

SQF 10
EQF 8
Third level

Learning outcomes

Qualification holders are qualified to:

(general competences)

- carry out autonomous research in the field of ecotechnology,
- 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,
- cooperate and work to resolve common tasks and problems within a group and in the 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 energy 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 engineering knowledge from the field of ecotechnology in the form of a combination of existing solutions.

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

Candidates who have completed at least 45 credits may enrol in the second year of the doctoral programme. Candidates who have completed at least 60 credits may enrol in the third year of the doctoral programme

Condition for obtaining certificate

In order to complete the programme and obtain the academic title of doktor/doktorica znanosti, candidates must successfully complete all course units defined by the programme.

Awarding body

Jožef Stefan International Postgraduate School, Ljubljana

URL

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