SLOVENSKO
OGRODJE
KVALIFIKACIJ

Doktor znanosti/doktorica znanosti sonaravne tehnologije in sistemov v strojništvu

Selected qualifications

Name of qualification	Doktor znanosti/doktorica znanosti sonaravne tehnologije in sistemov v strojništvu
Translated title (no legal status)	Doctor of Philosophy in the field of sustainable technologies and systems in mechanical engineering
Type of qualification	Diploma tretje stopnje
Category of qualification	Izobrazba
Type of education	Doctoral education
Duration	3 years
Credits	180 credits

Admission requirements

Pursuant to Article 38.a of the Higher Education Act (Official Gazette of the Republic of Slovenia, No. 32/2012 of 4 May 2012), anyone who has completed the following may enroll in a doctoral study programme:
• second-cycle study programme (Bologna master's degree),
• university study programme (old programme),
• master of science study programme (old programme).
These candidates are awarded study obligations in the amount of 60 credit points in the doctoral study programme.
• study programme - a uniform master's study programme, if it is evaluated with 300 credit points.
Those who have completed equivalent education abroad also meet the conditions for enrollment.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield metalurgija, strojništvo in kovinarstvo

Qualification level

SQF 10
EQF 8
Third level

Learning outcomes

Qualification holders are qualified to:

General competences:

- understanding of approaches, concepts and methodologies of scientific research work,
- respectful attitude to creativity and achievements of the past scientific research and development work of our ancestors,
- ability to take a systematic and structured approach to scientific research,
- independent solving of scientific-research and applied tasks (from the formulation of the problem to the solution or to the answer to the posed question),
- ability to observe and understand physical processes,
- ability to predict outcomes,
- ability to make critical judgments,
- communication skills for presenting and arguing one's own ideas, hypotheses and results in front of the scientific-research and professional public in the widest possible range,
- commitment to the ethics of scientific research.

Subject-specific competences:

- ability to understand and apply modern theories in the field of technical, technological and natural sciences,
- ability to understand technical problems and use modern techniques and tools in solving them,

- ability to interdisciplinary integration of knowledge,
- ability to solve concrete work problems in the field of technologies and systems,
- development of professional skills in the field of technologies and systems,
- ability to develop new scientific research approaches and methods,
- ability to design and perform experiments and the correct choice of measuring methods for measuring physical quantities in various technological processes,
- active critical monitoring of the development of new methods and advanced materials in the field of technologies and systems,
- competence for counseling work (knowledge transfer).

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

The conditions for progression to the second year are completed study obligations in the amount of at least 50 credit points.
Conditions for progression to the third year are completed all study obligations in organized forms of study from the first and second year and the approved topic of the doctoral dissertation.

Condition for obtaining certificate

The condition for the completion of studies is the successful completion of all study obligations prescribed by the programme and the preparation and successful defense of the doctoral dissertation. Students complete their studies when they collect all the credit points provided by the study programme (180 ECTS).

Awarding body

University of Novo mesto, Faculty of mechanical engineering

URL

https://fs.uni-nm.si/en/