SLOVENSKO
OGRODJE
KVALIFIKACIJ

Doktor znanosti/doktorica znanosti s področja znanost in inženirstvo materialov

Selected qualifications

Name of qualification	Doktor znanosti/doktorica znanosti s področja znanost in inženirstvo materialov
Translated title (no legal status)	Doctor of Philosophy in the field of materials science and engineering
Type of qualification	Doktorat
Category of qualification	Izobrazba
Type of education	Doctoral education
Duration	3 years
Credits	180 credits

Admission requirements

Article 38a of the Higher Education Act and Article 16 of the transitional and final provisions of the Higher Education Act (UL RS No 119, 20 November 2006), provide that enrolment in the interdisciplinary doctoral programme Materials Science and Engineering shall be open to candidates who have completed:
• a second-cycle study programme (Bologna master's programme),
• an integrated master's programme giving access to professions regulated by EU directives, if consisting of 300 ECTS credits, or another integrated master's programme consisting of 300 ECTS credits,
• an earlier (old) study programme leading to an academic higher education qualification,
• a former study programme leading to a specialisation, if candidates have previously completed a professional higher education; in this case additional course units ranging from 30 to 60 ECTS credits will be defined for enrolment in the third-cycle programme,
• a former (old) study programme leading to a research master's degree or a specialisation following the completion of a study programme leading to an academic higher education qualification. Course units totalling at least 60 ECTS credits are recognised for such candidates in the third-cycle doctoral study programme.

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

The fundamental aim of the doctoral programme in Materials Science and Engineering is to train experts who will possess the competences suitable for employment in research positions in scientific/engineering sectors, above all in the field of the development, manufacture and use of traditional and modern functional materials, for work in the public sector or for a continuation of their research career in the academic environment. Students who successfully complete the proposed programme will have gained in particular the following general competences and skills:

- the ability to critically analyse, evaluate and synthesise new and complex ideas;
- the ability to communicate about their expert field with colleagues, larger expert
- groups and the general public;
- the ability to promote scientific and technological progress at the academic and applied levels in a knowledge-based society.

Assessment and completion

Students' knowledge is assessed by means of practical exercises and seminar papers, and also via products, projects, performances, services, etc. and by examinations. Examination performance is scored 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

In order to progress to the second year, students must complete all course units defined by the study programme for progression to the next year.

Condition for obtaining certificate

Students complete their studies when they have successfully met all prescribed requirements of a study programme.

Awarding body

Faculty of Natural Sciences and Engineering, University of Ljubljana

URL

http://www.ntf.uni-lj.si/en/