

# Doktor znanosti/doktorica znanosti s področja nanoznanosti in nanotehnologije

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## Selected qualifications

### Name of qualification

Doktor znanosti/doktorica znanosti s področja nanoznanosti in nanotehnologije

### Translated title (no legal status)

Doctor of Philosophy in the field of nanoscience and nanotechnology

### Type of qualification

Doktorat

### Category of qualification

Izobrazba

### Type of education

Doctoral education

### Duration

3 years

### Credits

180 credits

## Admission requirements

Enrolment in the doctoral study programme is open to candidates who have completed:

- a second-cycle study programme,
- an integrated master's programme consisting of 300 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 nanoscience and nanotechnology,
- research, select and organise information and synthesise solutions and anticipate their consequences,
- master research methods, procedures and processes, develop critical and self-critical judgement,
- 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)

- carry out autonomous research in the field of nanoscience and nanotechnology,
- research, select and organise information and synthesise solutions and anticipate their consequences,
- master research methods, procedures and processes, develop critical and self-critical judgement,
- 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.

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

## Condition for obtaining certificate

In order to complete the programme, students must complete all course units envisaged by the study programme, for a total of 180 credits.

## Awarding body

Jožef Stefan International Postgraduate School, University of Ljubljana

URL

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

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