

Archived

# Doktor znanosti/doktorica znanosti s področja strojništva

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## Selected qualifications

<b>Name of qualification</b>	Doktor znanosti/doktorica znanosti s področja strojništva
<b>Translated title (no legal status)</b>	Doctorate in the field of mechanical engineering
<b>Type of qualification</b>	Doktorat
<b>Category of qualification</b>	Izobrazba
<b>Type of education</b>	Doctoral education
<b>Duration</b>	3 years
<b>Credits</b>	180 credits

## Admission requirements

- A completed second-cycle study programme; or
- a completed study programme leading to an academic higher education qualification, adopted before 11 June 2004; or
- a completed study programme leading to a specialisation in a natural science/engineering field, if they have previously completed a professional higher education programme. In order to equalise the knowledge base of candidates before enrolment in the doctoral programme, the doctoral studies commission at UL FS will define additional course units consisting of 30 ECTS credits, with regard to the intended field of doctoral study; or
- a study programme leading to a pre-Bologna research master's degree. Course units requirements totalling 60 ECTS credits are recognised for such candidates in the doctoral programme; or
- a study programme giving access to professions regulated by EU directives, or another integrated master's degree programme consisting of 300 ECTS credits.

## 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:

- demonstrate in-depth understanding of basic physical science, which when accompanied by a corresponding technical implementation leads to a new added value;
- develop scientific mode of thinking, supported by relevant methodological approaches in research;
- develop a correct and critical attitude in evaluating the achievements of others and the results of their own work;
- develop communication skills in order to present and argue in support of their own ideas, hypotheses and results to an audience of researchers and professionals in the broadest sense, i.e. in their own research environment, at expert meetings at home and abroad and through publications in specialist literature;
- demonstrate awareness of the need to constantly monitor the development of science in the world, awareness of the importance of teamwork and interdisciplinary connections and the exchange of information, the importance of transferring new knowledge into the economic environment (from the basic idea to its realisation in the form of a final product).

## 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 from the first year to the second year of the doctoral programme in MECHANICAL ENGINEERING, doctoral candidates must have completed course units totalling at least 50 credits. Candidates who have completed all taught course units from the first and second years and whose doctoral dissertation topic has been approved may enrol in the third year.

## Condition for obtaining certificate

In order to complete the third-cycle Mechanical Engineering programme, students must complete all course units, for a total of 180 credits (pass all examinations prescribed by the third-cycle Mechanical Engineering programme, complete research work and write and successfully defend a doctoral dissertation).

## Awarding body

Faculty of Mechanical Engineering, University of Ljubljana

URL

<http://www.fs.uni-lj.si/en/>

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