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# Diplomirani inženir dizajn inženiringa (un)/diplomirana inženirka dizajn inženiringa (un)

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## Selected qualifications

Name of qualification	Diplomirani inženir dizajn inženiringa (un)/diplomirana inženirka dizajn inženiringa (un)
Translated title (no legal status)	Bachelor of Science in design engineering
Type of qualification	Diploma prve stopnje (UN)
Category of qualification	Izobrazba
Type of education	Academic bachelor's education
Duration	3 years
Credits	180 credits
Admission requirements	<ul style="list-style-type: none"><li>• Matura or</li><li>• vocational matura; or</li><li>• school-leaving examination (prior to 1 June 1995) under any four-year secondary school programme.</li></ul>

## ISCED field

Field  
Tehnika, proizvodne tehnologije in gradbeništvo

## ISCED subfield

subfield metalurgija, strojništvo in kovinarstvo

## Qualification level

SQF 7  
EQF 6  
First level

## Learning outcomes

The qualification holder will be able to:

(general competences)

- define and understand basic development problems in the design of industrial products that are important for the modern understanding of sustainable development;
- demonstrate understanding of processes to ensure a capacity for critical, analytical and synthetic thinking;
- communicate professionally and express themselves in writing, including in the international context;
- use information and communication technologies;
- use acquired knowledge to autonomously address development concepts in engineering design;
- find sources and critically assess information;
- autonomously build on knowledge acquired and deepen their knowledge in the field of design engineering;
- work in a group and participate in interdisciplinary integration;
- use modern research methods and procedures for the development of industrial products important for the sustainable development of humanity;

(subject-specific competences)

- build on and apply basic engineering knowledge with the subtle incorporation of creative contents from industrial design for a modern sustainable-development-based understanding of industrial products;
- demonstrate mastery of the basic theoretical and applied knowledge essential for mastery of all aspects of product development, that combines engineering knowledge and the creative content of applied art;
- carry out physical, mathematical and numerical modelling of problems with a developed capacity for creative design of an industrial product;
- autonomously acquire new knowledge and skills important for design engineering;
- develop optimal solutions on the basis of analysis and synthesis.

## 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 interdisciplinary first-cycle academic programme in Design Engineering, candidates must have completed course units consisting of at least 54 ECTS credits.

In order to progress from the second year to the third year of the interdisciplinary first-cycle academic programme in Design Engineering, candidates must have completed all first-year course units and second-year course units consisting of at least 54 ECTS credits.

## Transitions

Second-cycle master's study programmes (SQF level 8)

## Condition for obtaining certificate

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

## Awarding body

Faculty of Mechanical Engineering, Academy of Fine Arts and Design, University of Ljubljana

URL

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

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