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Archived

# Diplomirani inženir elektrotehnike (un)/diplomirana inženirka elektrotehnike (un)

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## Selected qualifications

Diplomirani inženir elektrotehnike (un)/diplomirana inženirka elektrotehnike (un) ✖

**Name of qualification**

Diplomirani inženir elektrotehnike (un)/diplomirana inženirka elektrotehnike (un)

**Translated title (no legal status)**

Academic bachelor's degree in electrical 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

- Matura or
- vocational matura in any secondary school programme and an examination in one matura subject; or
- school-leaving examination (prior to 1 June 1995) under any four-year secondary school programme Candidates who have passed a vocational matura are recommended to take an examination in one of the matura subjects: mathematics, foreign language, electrical engineering, computing, physics or mechanics

## ISCED field

Field  
Tehnika, proizvodne tehnologije in gradbeništvo

## ISCED subfield

subfield elektrotehnika in energetika

## Qualification level

SQF 7  
EQF 6  
First level

## Learning outcomes

The qualification holder will be able to:

(general competences)

- use mathematical, scientific and computing knowledge to resolve engineering problems,
- integrate technical knowledge and modern engineering tools in the addressing of engineering problems,
- demonstrate mastery of various skills, techniques, experimental methods and methods of verification,
- give public presentations of technical solutions in written and oral form,
- perform professional work autonomously,
- analyse, show critical judgement, and take responsibility for proposed solutions and
- work in professionally and/or ethnically mixed groups.

(subject-specific competences)

- demonstrate understanding of the basic laws in the field of electrical engineering and mastery of modern technological solutions in the narrower fields of automation and robotics, electronics and power systems engineering,
- plan electrical engineering components and devices that will meet required technical specifications in practice, while taking into account broader socio-economic consequences and restrictions,
- co-create and use information technology in various fields (planning, systems management, communication),
- demonstrate understanding of the historical development of the field,
- integrate knowledge from various electrical engineering disciplines in new technological solutions, products and services and
- for further study in compatible master's programmes.

## **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 have passed first-year examinations totalling at least 54 of the 60 available ECTS credits. In order to progress to the third year, students must have passed all first-year examinations and second-year examinations totalling at least a further 48 ECTS credits.

## **Transitions**

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

## **Condition for obtaining certificate**

To complete their studies, students must complete all course units prescribed by the study programme.

## **Awarding body**

Faculty of Electrical Engineering and Computer Science, University of Maribor

URL

<https://feri.um.si/en/>

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