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# 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)

Bachelor of Science 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 and an examination in one of the matura subjects; the selected subject may not be a subject which the candidate has already taken in the vocational matura except if the subject is Electrical engineering; or
- school-leaving examination (prior to 1 June 1995) under any four-year secondary school programme.

## 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 of mathematical, natural and computer knowledge in solving technical problems,
- integration of professional knowledge and modern engineering tools in solving technical problems,
- mastering various skills, techniques, experimental and verification methods,
- public presentations of technical solutions in written and oral form,
- autonomy in professional work,
- analysis, criticality and taking responsibility for the proposed solutions and
- activities in professionally and / or ethnically mixed groups.

### Subject-specific competences

- understanding the basic laws in the field of electrical engineering and mastering modern technological solutions in the narrower fields of automation and robotics, electronics and power electrical engineering,
- design of electrical components and devices that will in practice meet the set technical specifications, taking into account the wider socio-economic consequences and limitations,
- co-creation and use of information technologies in various fields (planning, systems management, communication),
- understanding the historical development of the profession,
- integration of knowledge from various electrical engineering disciplines in new technological solutions, products and services and
- to continue their studies in compatible master's programs.

## 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

Students progress to the second year if they collect at least 54 ECTS points from 60 by passing the first year exams. Students progress to the third year if they pass all the exams of the first year and if they collect at least 48 ECTS points with the passed exams of the second year.

## Transitions

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

## Condition for obtaining certificate

To complete the studies, Students must complete all the obligations prescribed by the study programme.

## Awarding body

University of Maribor, Faculty of Electrical Engineering and Computer Science

URL

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

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