SLOVENSKO
OGRODJE
KVALIFIKACIJ

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

Selected qualifications

Name of qualification	Diplomirani inženir energetike (un)/diplomirana inženirka energetike (un)
Translated title (no legal status)	Bachelor of Science in power 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,
• 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)

- professionally analyse, synthesise and anticipate solutions and consequences in energy systems, processes and functions,
- make judgements for the adoption of decisions in energy systems and processes,
- independently apply acquired theoretical knowledge to solve problems in energy systems in practice,
- demonstrate mastery of state-of-the-art technological methods, procedures and processes in energy systems and processes,
- rationally and realistically address specific work problems in the field of energy systems technology and processes,
- integrate knowledge from various fields and synthesise it in energy systems,
- build knowledge into concrete applications in organisations,
- use information and communication technologies and information management systems intensively and constantly in energy systems in their own specific technical working field, etc.,
- demonstrate complete autonomy in professional work,
- develop communication skills,
- demonstrate a capacity for ethical reflection and a deep commitment to professional ethics,
- show cooperativeness and the capacity to work in a group,
- undertake training for further studies.

(subject-specific competences)

- demonstrate mastery of basic knowledge in energy systems,
- demonstrate familiarity with modern technological processes, operations, methodologies and organisation of work in energy systems,
- develop skills in the application of knowledge in their specific technical area of work in energy systems,
- demonstrate mastery of supply and procurement chains in energy systems,

- demonstrate autonomous and confident mastery of basic knowledge in energy systems,
- demonstrate familiarity with processes in energy systems and apply theoretical knowledge in practice,
- build and plan energy systems.

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 completed first-year course units totalling at least 45 ECTS credits, which must include the following subjects: Mathematical methods I and II, Electrical engineering, Mechanoenergetics of machines and devices.
In order to progress to the third year, students must have completed all first-year course units and second-year course units totalling at least 36 ECTS credits, which must include the following subjects: Mathematical methods III, Energy conversions, Energy systems, Hydro energy systems, Thermal energy systems and Nuclear energy systems.

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 Energy Technology, University of Maribor

URL

http://www.fe.um.si/en/