SLOVENSKO
OGRODJE
KVALIFIKACIJ

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

Selected qualifications

Name of qualification	Diplomirani inženir energetike (vs)/diplomirana inženirka energetike (vs)
Translated title (no legal status)	Bachelor of Applied Science in power engineering
Type of qualification	Diploma prve stopnje (VS)
Category of qualification	Izobrazba
Type of education	Professional bachelor's education
Duration	3 years
Credits	180 credits
Admission requirements	• Matura or • vocational matura; 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)

- identify, record and analyse a problem in energy systems in specific tasks,
- work in an expert group and show the ability to lead it,
- apply acquired theoretical knowledge in practice,
- demonstrate autonomy in professional work,
- find and implement optimal solutions in an energy system in their specific job or position,
- demonstrate curiosity and an inclination for training to pursue further studies and constant reading of technical literature,
- demonstrate a commitment to professional ethics.

(subject-specific competences)

- resolve specific work problems relating to the technology of energy processes using standard technical methods and procedures,
- demonstrate familiarity with modern technological processes, operations, methodologies and organisation of work in the operational environment in specific tasks,
- develop skills in the application of knowledge in their specific technical area of work,
- implement knowledge as rationally as possible and optimally implement and coordinate activities in their work in energy systems,
- continuously use information and communication technology in their own specific technical area of work,
- react in crisis situations, for example in the event of a breakdown, damage, outage, etc.
- constantly develop technological procedures and build on them with the latest technological solutions,
- seek operational solutions in the technological processes of an energy business system/organisation,
- demonstrate mastery of standard technological methods in the resolution of specific tasks,
- demonstrate mastery of standard procedures in energy systems,
- demonstrate mastery of standard processes in the supply processes of energy systems,
- perform various tasks in energy systems (maintenance, operational preparation of work, planning, etc.),
- 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.
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: Basics of thermotechnology, Basics of hydrotechnology, Basics of electrical devices and installations, Basics of energy systems and Environmental protection.

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 Energy Technology, University of Maribor

URL

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