SLOVENSKO
OGRODJE
KVALIFIKACIJ

Inženir elektroenergetike/inženirka elektroenergetike

Selected qualifications

Name of qualification	Inženir elektroenergetike/inženirka elektroenergetike
Translated title (no legal status)	Power engineer
Type of qualification	Višja strokovna izobrazba
Category of qualification	Izobrazba
Type of education	Short cycle higher vocational education
Duration	2 years
Credits	120 credits

Admission requirements

• Matura or vocational matura (previously school-leaving examination); or
• master craftsman/foreman/shop manager examination, three years' work experience and test in general education subjects at the level required for the vocational matura in secondary vocational education.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield elektrotehnika in energetika

Qualification level

SQF 6
EQF 5
Short cycle

Learning outcomes

Students will be able to:

(general competences)

- plan and organise their own work and the work of others;
- keep abreast of developments in the field;
- protect health and the environment;
- monitor operations in the working environment;
- develop enterprise characteristics, skills and behaviour,
- communicate in Slovene and at least one foreign language,
- communicate with co-workers and business partners,
- plan, prepare and control own work,
- make rational use of energy, material and time,
- use computer equipment and software

(specific vocational competences)

- keep abreast of development trends in technologies and materials;
- plan and introduce technological processes and procedures;
- carry out planning, maintenance and repairs in the electrical power sector;
- draw up an implementation plan for a task or project;
- carry out power supply measurements and set up relay protection;
- supervise the operating state of devices in a power facility;
- operate power installations from a control centre and carry out switching operations;
- design less complex electrical installations and facilities;
- supervise the construction of less complex installations and facilities;
- run a department, service or shift in the electricity sector.

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 may progress to the second year if they have successfully completed first-year modules, subjects and practical training (including practical classes, seminar papers, projects, examinations, etc.) totalling at least 45 credits, where all practical classes and practical training course units must be completed in full.

Transitions

First-cycle study programmes (SQF, level 7)

Condition for obtaining certificate

All compulsory modules and subjects for a total of 83 credits:
Business communications (20 credits), Safety and protection of the environment (8 credits), Automation and measurements in the electricity sector (18 credits), Basics of economics (9 credits), Project design (9 credits), Electricity (19 credits); one of the following elective modules consisting of 13 credits: Protection and efficiency in the electricity sector (13 credits), Installations and protection in the electricity sector (13 credits), Electrical efficiency and electrical installations (13 credits); three compulsory subjects consisting of 14 credits: Mathematics for engineering (3 credits), Basics of electrical engineering (4 credits), Applied mechanics, hydrodynamics and thermodynamics (7 credits); a freely elective subject (5 credits) and a bachelor's thesis (5 credits).

Awarding body

Higher Vocational Colleges

URL

https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramId=7186