


Inženir geotehnologije in rudarstva/inženirka geotehnologije in rudarstva

Selected qualifications

Vodovarstveni nadzornik/vodovarstvena nadzornica 

Name of qualification

Inženir geotehnologije in rudarstva/inženirka geotehnologije in rudarstva

Translated title (no legal status)

Geotechnology and mining 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 rudarstvo in drugo pridobivanje rudnin

Qualification level

SQF 6
EQF 5
Short cycle

Learning outcomes

Students will be able to:

(general competences)

- develop professional identity, professional responsibility and professionalism,
- exert a positive influence on an enterprise's objectives by setting their own goals and through ongoing discovery of ways to improve their own work and self-evaluation,
- use acquired knowledge for successful professional communication in both the domestic and international environments,
- demonstrate understanding of the relationship between the development of production, social development and the development of the environment; develop global awareness of the opportunities, limits and dangers of technological development,
- assume responsibility for ensuring the quality and success of work performed, encourage knowledge transfer and innovation and assume responsibility for self-directed learning based on recognising their own strengths and weaknesses, and for lifelong learning,
- carry out tasks in the preparation and control of work processes and, in particular, in the organisation and management of work processes,

(vocationally specific competences)

- resolve practical problems in the field of geotechnology and mining on the basis of acquired knowledge in the fields of extraction of mineral raw materials, geotechnical and mining works, construction of underground spaces and shafts, ICT, foreign languages, economics, organisation and management,
- acquire knowledge with a practical application supported by a theoretical basis and work successfully both autonomously and as part of a team,
- autonomously monitor the development of the profession and take the initiative for the introduction of new features in practice,
- communicate and negotiate with business partners in Slovene and a foreign language,
- plan geotechnical and mining processes and address problems in accordance with safety requirements and ecological and environmental protection requirements,

- use critical judgement and act responsibly in the working environment and in society and ensure the necessary quality of the production process,
- demonstrate familiarity with basic legislation, standardisation, technical regulations, certification and quality assurance systems in the field of geotechnology and mining,
- demonstrate familiarity with machinery and use the measuring instruments necessary to carry out work in the field of mineral raw materials extraction,
- find necessary information in catalogues, manuals and technical instructions using a personal computer connected to the internet,
- evaluate solutions, technologies, products and equipment in the field of geotechnology and mining,
- introduce, prepare and supervise a system in an automated production context.

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 graded 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:

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

In order to complete the programme, students must complete all course units (examinations, practical classes, seminar assignments, etc.), as follows: all compulsory modules and subjects, for a total of 88 credits, one elective module consisting of 17 credits, elective subjects consisting of 5 credits (students choose one elective subject that is not contained in the chosen elective module), a freely elected subject consisting of 5 credits and a diploma examination (worth 5 credits).

Awarding body

Higher Vocational Colleges

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramId=7182>
