

1. TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (SL) ⁽¹⁾

Spričevalo o poklicni maturi po izobraževalnem programu:

GEOTEHNIK

(ID: 328783)

⁽¹⁾ In native language.

2. TRANSLATED TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (EN) ⁽¹⁾

School-leaving certificate:

GEOMINING TECHNICIAN

⁽¹⁾ This translation has no legal status.

3. ACQUIRED KNOWLEDGE, SKILLS AND PROFESSIONAL COMPETENCES

The holder of the certificate is qualified to:

- use expertise, IT and software tools in the resolution of real practical problems in the discipline;
- employ technical terminology, process data in order to obtain information and keep technical and technology documentation;
- examine and use technical and technology documentation, technical regulations, standards and technical plans when carrying out mining, geotechnical and geotechnological works;
- prepare the plan for the use of drilling tools, tools, machines, appliances and measurement instruments while performing mining and geotechnical works;
- put in place ventilation and drainage systems in mining and geotechnical facilities;
- identify cave ventilation characteristics and perform ventilation and water parameter measurements;
- examine geological structure of the rock;
- assess the sliding of escarpes, avalanche area and dykes as well as their rehabilitation;
- conduct cave measurement surveying measurements and assess results;
- perform the sampling of dumping areas and landfill leachate waters and environmental mining monitoring;
- conduct technological preparation processes for the extraction of mineral raw materials and fossil fuels;
- carry out technological processes for the construction of underground areas, tunnels and shafts;
- perform drilling and blasting works in mining and geo-mining technology;
- perform procedures pertaining to storage, deposit and transport of raw materials;
- carry out technological processes in the rehabilitation and recultivation of areas and underground areas;
- take into consideration sustainable development when performing the activities affecting the physical environment;
- carry out and provide for measures in relation to health and safety at work as well as environmental protection;
- act economically, responsibly and socially in the working environment.

Optional:

- conduct technology processes of the enrichment and processing of mineral, fossil and secondary raw materials.
- use and maintain production and transport systems.
- carry out field and lab geo-mechanical procedures.

In addition, the holder of the certificate also upgraded his/her key professional skills and competences with key general knowledge and skills in line with national standards.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO HOLDER OF THE CERTIFICATE

The holder of the certificate can find employment at:

- areas pertaining to underground and surface mining as well as geotechnical and geotechnological works;
- areas pertaining to the extraction of mineral raw materials and fossil fuels as well as the processing of secondary raw materials;
- construction of underground facilities, tunnels, roads, cuttings, dumping areas and landfills, restoration of railways and rehabilitation of brown field areas;
- blasting, pyrotechnic, geotechnical, geological and geo-drilling activities.

^(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers. More information available at: <http://europass.cedefop.eu.int> © European Communities 2002

5. OFFICIAL BASIS OF THE CERTIFICATE	
Name and status of the body awarding the certificate The institution is accredited with the Ministry of Education, Science and Sport.	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Science and Sport Masarykova 16 SI-1000 Ljubljana www.mizs.gov.si
Level of the certificate (national or international) Upper Secondary Technical Education Slovenian Qualification Framework: SOK 5 European Qualification Framework: EQF 4 ISCED 2011: 354	Grading scale 5 – excellent 4 – very good 3 – good 2 – sufficient
Access to next level of education/training Education programme completed with the Vocational Matura exam enables enrolment to higher vocational and professional study programmes. Passing an additional General Matura exam is required to enrol to one of the university study programmes, which allow this possibility.	International agreements The Republic of Slovenia has concluded agreements on the recognition of education with individual countries. The relevant information is available at ENIC/NARIC - the National Academic Recognition Information Centre.
Legal basis Organisation and Financing of Education Act Vocational and Technical Education Act	
6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE	
Time of the education	2 years
Number of credits ¹	120 credits
General education	60 credits
Professional education	37 credits
Practical education at the employer	4 credits
Extracurricular activities	4 credits
Open curriculum ²	11 credits
Vocational matura	4 credits
Entry requirements The programme can be attended by anyone who has completed the programme of secondary vocational education and acquired one of the following titles: geo-operator miner, miner, construction machinery operator, dry assembly construction developer, car mechanic, car tinsmith, car painter, car mechatronic, vehicle body repairer, tinsmith-roofer, precision mechanic, installer of machine installations, machine mechanic, toolmaker, metal sharper, metal sharper-toolmaker, construction mechanic, metal construction maker, goldsmith, watchmaker, industrial mechanic, bricklayer, carpenter, stonemason, electrician, electrician/energetic engineer, electrician/electronic engineer, mechanic of agricultural and work machinery, agricultural mechanic or has completed another secondary vocation education programme and has a minimum of three years experience in geotechnics or has obtained an equivalent education in line with previous regulations. An applicant is also required to submit a medical certificate testifying that he/she does not suffer from any health problems that might prevent him/her to enrol in the programme (healthy spine, good vision and hearing).	
Additional information <ul style="list-style-type: none"> – Ministry of Education, Science and Sport (www.mizs.gov.si): Education programme and description of education and schooling in Slovenia – National Reference Point for Vocational Qualifications - NRP (www.nrpslo.org) – National Europass Centre (www.europass.si) 	

¹ One credit equals 25 hours of candidate's work.

² Goals of the open curriculum are defined by schools in cooperation with companies on a local/regional level.

7. A DETAILED DESCRIPTION OF EDUCATION

GENERAL EDUCATION:

1. Slovene (13 credits)
2. Mathematics (10 credits)
3. Foreign language (13 credits)
4. Art (2 credits)
5. History (2 credits)
6. Geography (2 credits)
7. Sociology or Psychology (2 credits)
8. Physics (4 credits)
9. Chemistry (2 credits)
10. Informatics (3 credits)
11. Physical education (7 credits)

PROFESSIONAL EDUCATION:

Mandatory Modules (30 credits)

1. Rehabilitation and recultivation of mining areas (4 credits)
2. Sustainable development and rational use of energy (5 credits)
3. Ventilation and drainage of facilities from mining works (7 credits)
4. Mining and land surveying measurements (11 credits)
5. Soil and rock research(3 credits)

Optional Modules (7 credits)

6. Processing of mineral raw materials (7 credits)
7. Performing cave transport and extraction (7 credits)
8. Geotechnical measurements and lab tests of soil, rock and materials (7 credits)

OPEN CURRICULUM (11 credits):

The open curriculum is determined by the school in cooperation with companies on the local level.

PRACTICAL EDUCATION:

1. Practical training in school
2. Practical training through work placement

EXTRACURRICULAR ACTIVITIES (4 credits):

Extracurricular activities involve compulsory activities, programme-related content and electives.

VOCATIONAL MATURA:

Mandatory part:

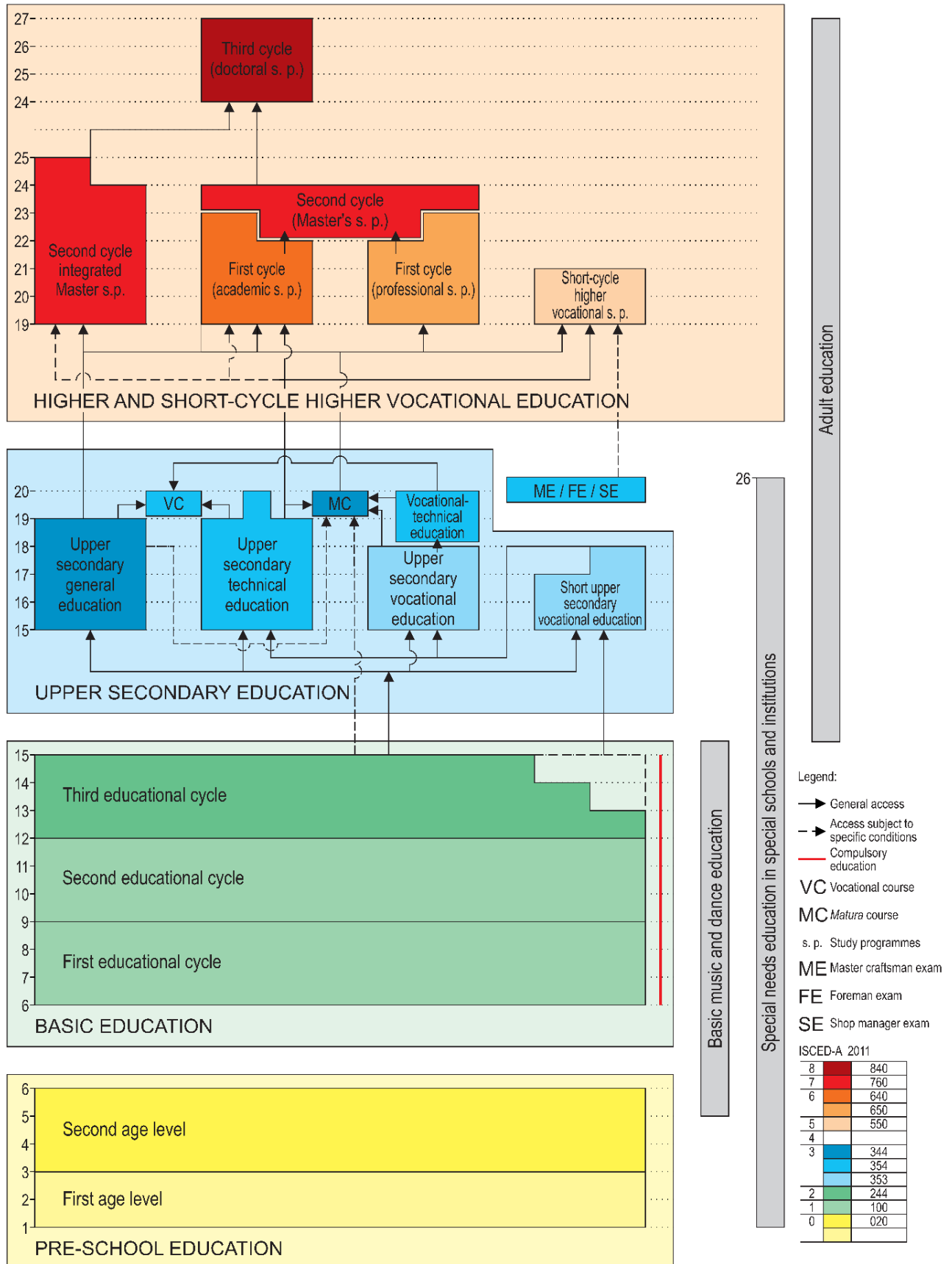
- written and oral exam of Slovenian language,
- written and oral exam in Mining works with ventilation and drainage.

Optional part:

- written and oral exam in a Foreign language or Mathematics,
- presenting and defending a project or service (4 credits):

OTHER NOTES:

STRUCTURE OF THE EDUCATION SYSTEM IN THE REPUBLIC OF SLOVENIA



From school/academic year 2016/2017