

## 1. TITLE OF THE CERTIFICATE (CZ)<sup>(1)</sup>

**Vysvědčení o maturitní zkoušce z oboru vzdělání:  
78-42-M/05 Přírodovědné lyceum (denní studium)**

<sup>(1)</sup> In the original language

## 2. TRANSLATED TITLE OF THE CERTIFICATE<sup>(2)</sup>

**Maturita Certificate in:  
78-42-M/05 Lyceum of Natural Science (full-time study)**

<sup>(2)</sup> This translation has no legal status.

## 3. PROFILE OF SKILLS AND COMPETENCES

### General competences:

- have general knowledge necessary for further study;
- organise and manage own study and objectively assess results;
- be familiar with various methods of learning, use sources of information well, show functional literacy;
- understand assignments or identify the cores of problems, exert variable solutions, work both independently and within a team;
- formulate views and attitudes verbally and in writing, communicate in one foreign language at level B1 and in another foreign language at the level of at least A2 of the Common European Framework of Reference for Languages, be motivated to deepen language competences;
- adapt to the changing social and economic conditions, be financially literate;
- have a basic overview of further studies, the opportunities in the labor market, the relations between employers and employees and decide responsibly about own career paths;
- use basic mathematics and the basic principles of physics and chemistry when needed in daily situations;
- work with the means of information and communication technologies, exploit adequate sources of information, handle information effectively;
- act ecologically and in compliance with the strategy of sustainable growth;
- support values of local, national, European and world cultures, recognize the value of life;
- have the social and cultural abilities necessary for civic life in a democratic society;
- apply the principles for health and safety at work, fire defence and fire prevention.

### Vocational competences:

- apply general and general vocational knowledge in biology, chemistry, geography, physics, mathematics and similar subjects in solving theoretical and practical problems of science and technological nature;
- be familiar with the basic methods of scientific work, analyse and evaluate scientific issues and look for different ways to solve them;
- be familiar with and apply scientific methods and working practices used in laboratories of various types and work with laboratory equipment, process and interpret the data obtained through observation, experimentation and measurement in compliance with the principles safety, hygiene and health at work;
- understand and explain basic principles of the technology used in energy generation, water treatment, chemical and food industries, agriculture, protection and improvement of the environment and other related areas;
- have a good command of the technological schemes and represent manufacturing processes with the appropriate schema, perform simple technological calculations and substance balance;
- have an overview of the technological processes friendly to the environment and understand the strategy of sustainable development as the integration of environmental, economic, technological and social approaches to environmental protection;
- understand the basic principles of production management and quality control;
- strive for the highest quality of their work, products or services;
- act economically and in accordance with the strategy of sustainable development.

## 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

The graduate is prepared to study at universities and tertiary technical schools especially of technical and scientific specialization. The graduate is employed in the field of ecology, chemistry, geography, food, agriculture, technology etc., in work activities of laboratory, operational and administrative character.

Examples of possible jobs: laboratory technician, technologist, officer in the relevant profiling, technical operations manager.

## 5. OFFICIAL BASIS OF THE CERTIFICATE

<b>Name and status of the body awarding the certificate</b> Střední průmyslová škola chemická, Brno, Vranovská, příspěvková organizace Vranovská 65 Brno 614 00 CZ public school	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry of Education, Youth and Sports Karmelitská 7 118 12 Praha 1 Czech Republic
<b>Level of the certificate (national or international)</b> Upper secondary education completed by the Maturita examination <b>ISCED 344, EQF 4</b>	<b>Grading scale / Pass requirements</b> 1 excellent (výborný) 2 very good (chvalitebný) 3 good (dobrý) 4 satisfactory (dostatečný) 5 fail (nedostatečný) <b>Overall assessment::</b> Prospěl s vyznamenáním: Pass with Honours (the average mark is ≤ 1,5) Prospěl: Pass (an examination mark is not worse than 4) Neprospěl: Fail (the examination mark in one or more subjects is 5)
<b>Access to next level of education / training</b> ISCED 655/645/746, EQF 6	<b>International agreements</b>
<b>Legal basis</b> Law No. 561/2004 on Pre-school, Basic, Secondary, Post-secondary and Other Education (School Act) as amended by later regulations	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme	Duration
<ul style="list-style-type: none"> <li>School- / training centre-based</li> <li>Workplace-based</li> <li>Accredited prior learning</li> </ul>	The ratio between theoretical education and practical training is defined by education providers themselves with regard to the respective educational programme and the employers' needs.	
Total duration of the education / training leading to the certificate		<b>4 years / 4 096 lessons</b>
<b>Entry requirements</b> Completed compulsory school education		
<b>Additional information</b> More information (including a description of the national qualifications system) available at: <a href="http://www.nuv.cz">www.nuv.cz</a> and <a href="http://www.eurydice.org">www.eurydice.org</a>		
<b>National Institute for Education, Education Counselling Centre and Centre for Continuing Education of Teachers – National Europass Centre Czech Republic</b> Weilova 1271/6 102 00 Praha 10 Czech Republic		
Done at Prague for the school year 2017/2018		 stamp and signature

### (\*) Explanatory note

This document is a supplement to a specific diploma/certificate. It provides additional information on competencies gained in the given field of study 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 and Decision No 2241/2004/EC of the European Parliament and of the Council of 15 December 2004 on a single Community framework for the transparency of qualifications and competences (Europass).

More information available at: <http://europass.cedefop.europa.eu>, <http://www.europass.cz>

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