

1. TITLE OF THE CERTIFICATE (CZ)⁽¹⁾

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

⁽¹⁾ In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE⁽²⁾

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

⁽²⁾ 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 labour 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

Name and status of the body awarding the certificate Masarykova střední škola zemědělská a přírodovědná, Opava, příspěvková organizace Purkyňova 12 Opava 746 01 CZ public school	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Youth and Sports Karmelitská 7 118 12 Praha 1 Czech Republic		
Level of the certificate (national or international) Upper secondary education completed by the Maturita examination ISCED 344, EQF 4	Grading scale <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; vertical-align: top;"> Result in the general section – success rate in % Czech language and literature, foreign language: more than 87 % to 100 % excellent - 1 more than 73 % to 87 % commendable - 2 more than 58 % to 73 % good - 3 44 % to 58 % sufficient - 4 0 % and less than 44 % insufficient - 5 Mathematics and Advanced Mathematics: more than 85 % to 100 % excellent - 1 more than 67 % to 85 % commendable - 2 more than 49 % to 67 % good - 3 33 % to 49 % sufficient - 4 0 % and less than 33 % insufficient - 5 </td> <td style="width: 50%; vertical-align: top;"> Pass requirements 1 excellent (výborný) 2 very good (chvalitebný) 3 good (dobrý) 4 satisfactory (dostatečný) 5 fail (nedostatečný) Overall assessment: 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) </td> </tr> </table>	Result in the general section – success rate in % Czech language and literature, foreign language: more than 87 % to 100 % excellent - 1 more than 73 % to 87 % commendable - 2 more than 58 % to 73 % good - 3 44 % to 58 % sufficient - 4 0 % and less than 44 % insufficient - 5 Mathematics and Advanced Mathematics: more than 85 % to 100 % excellent - 1 more than 67 % to 85 % commendable - 2 more than 49 % to 67 % good - 3 33 % to 49 % sufficient - 4 0 % and less than 33 % insufficient - 5	Pass requirements 1 excellent (výborný) 2 very good (chvalitebný) 3 good (dobrý) 4 satisfactory (dostatečný) 5 fail (nedostatečný) Overall assessment: 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)
Result in the general section – success rate in % Czech language and literature, foreign language: more than 87 % to 100 % excellent - 1 more than 73 % to 87 % commendable - 2 more than 58 % to 73 % good - 3 44 % to 58 % sufficient - 4 0 % and less than 44 % insufficient - 5 Mathematics and Advanced Mathematics: more than 85 % to 100 % excellent - 1 more than 67 % to 85 % commendable - 2 more than 49 % to 67 % good - 3 33 % to 49 % sufficient - 4 0 % and less than 33 % insufficient - 5	Pass requirements 1 excellent (výborný) 2 very good (chvalitebný) 3 good (dobrý) 4 satisfactory (dostatečný) 5 fail (nedostatečný) Overall assessment: 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)		
Access to next level of education / training ISCED 655/645/746, EQF 6 and EQF 7 (EQF7 only for Long first degree programmes at Master's)	International agreements		
Legal basis Law No. 561/2004 on Pre-school, Basic, Secondary, Post-secondary and Other Education (School Act) as amended by later regulations Ss. 22 and 24 of the Decree No. 177/2009 Coll., on Detailed Conditions for Completing Education by the School-leaving Examination in Secondary Schools, as amended.			

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"> • School- / training centre-based 	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.	
<ul style="list-style-type: none"> • Workplace-based 		
<ul style="list-style-type: none"> • Accredited prior learning 		
Total duration of the education / training leading to the certificate		4 years / 4 096 lessons
Entry requirements Completed compulsory school education Additional information More information (including a description of the national qualifications system) available at: www.npicr.cz and www.eurydice.org		
National Pedagogical Institute of the Czech Republic – National Europass Centre Czech Republic, Senovážné nám. 872/25, 110 00 Praha 1		
		  stamp and signature Done at Prague for the school year 2023/2024

(*) Explanatory note

The Certificate supplement provides additional information about the certificate and does not have any legal status in itself. Its format is based on the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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