europass

EUROPASS CERTIFICATE SUPPLEMENT (*)

Czech Republic

1. TITLE OF THE CERTIFICATE (CZ)(1)

Vysvědčení o maturitní zkoušce z oboru vzdělání:
23-41-M/01 Strojírenství (denní studium)

(1) In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE(2)

Maturita Certificate in:
23-41-M/01 Mechanical Engineering (full-time study)

(2) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

General competences:

- 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;
- communicate in one foreign language at the level of at least B1 of the Common European Framework of Reference for Languages;
- cope with changing socio-economic conditions, be financially literate;
- be aware of the labour market mechanisms, and of the employee-employer relationships, act on career decisions responsibly, understand the significance of lifelong learning;
- 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 in an environmentally-conscious manner and in compliance with strategies for sustainability;
- support values of local, national, European and world cultures, recognize the value of life;
- exert fundamentals of health protection, occupational safety, and fire prevention and safety;
- exert norms and prescriptions in the field.

Vocational competences:

- design and size machine parts and mechanisms of machines and equipment, construct tools and manufacturing aids for machine production;
- select suitable materials and semi-finished goods for machine parts and tools, prescribe their heat and surface treatment;
- read and create parts diagrams, diagrams for assembly, schematics and other types of technical communication;
- propose technological processes for creating machine parts, tools, and products, describe their technological operation and technological conditions for operation, designate machine systems, tools, manufacturing aids, auxiliary and operational materials for them, and design conceptual operational tools and manufacturing aids;
- create programs for digitally controlled machines;
- determine manners and conditions for inspecting the quality of parts and products;
- prepare plans for caring for machines and equipment, propose diagnostic tools for determining technical condition or defects, determine ways to repair defects;
- keep records for the operation, maintenance, and repair of machines and equipment, prepare information to order spare parts;
- inspect machine parts and tools, measure linear dimensions, angles, shapes, and surface condition, measure basic technical quantities and participate in the comprehensive measuring and testing of machines and equipment, conduct tests on technical and operational materials;
- assess the results of measurements and tests, prepare records and protocols of these;
- apply the principles of technical norms and standardization, solve technical tasks by using norms, machine tables, and other sources of information;
- present thoughts and proposals using information and communication technologies, use application programs to support the design, construction, and technological preparation of production, and programs to help care for the technical condition of machinery.

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

Graduates are employed in the field of mechanical engineering in positions where they are responsible for the design, construction and technological parts of production processes, or the organization of operations in commercial technical services etc. As they are able to ensure the functionality of machinery and equipment, they may also be employed in non-engineering sectors.
Examples of possible job positions include: mechanical design engineer, production engineer, machine and equipment technician, production supervisor, dispatcher, quality control inspector, etc.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate
Střední odborná škola průmyslová a Střední odborné učiliště strojírenské
Lidická 4
Prostějov
796 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 354, EQF 4

Grading scale

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
• 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.	
• Workplace-based		
• Accredited prior learning		
Total duration of the education / training leading to the certificate		**4 years** / 4096 lessons

Entry requirements
Completed compulsory school education

Additional information
More information (including a description of the national qualifications system) available at: EQF, EURYDICE, NPI

National Pedagogical Institute of the Czech Republic – National Europass Centre Czech Republic, Senovážné nám. 872/25, 110 00 Praha 1

NÁRODNÍ PEDAGOGICKÝ INSTITUT ČESKÉ REPUBLIKY 1

stamp and signature
Done at Prague for the school year 2025/2026

(*) **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.
© European Union, 2002-2022 | https://www.europass.eu, https://www.europass.cz