

**1. TITLE OF THE CERTIFICATE (HU)**

55 5412 01 VEGYIPARI-GÉPÉSZMÉRNÖK ASSZISZTENS

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)CHEMICAL ENGINEER ASSISTANT
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES****A typical holder of the certificate is able to:**

- perform in the field of the chemical industry - independently or under the professional supervision of an engineer - operation, technical development, planning, management, production, control, maintenance, environmental protection as well as technical documentation and administration related engineering jobs not requiring a qualified engineer;
- take part in:
 - = the update of chemical engineering machines, devices as well as systems,
 - = the planning and manufacture of chemical engineering machines and devices,
 - = the quality assurance of certain chemical engineering products,
 - = process controls,
 - = the management of safe operation of machines, equipment and instruments,
 - = the preparation and implementation of new technologies,
 - = failure analyses of chemical engineering machines and systems,
 - = ensuring economic use of chemical engineering equipment,
 - = the compilation of technical reports and documentation,
 - = the management of enterprises operating in the field of chemical engineering as well as in the trade activities thereof.
- continuously monitor technical parameters of materials, indirect materials, equipment, instruments used during operation, maintenance and reconstruction;
- rely on and apply his (her) computer skills in the preparation of documents and during the processing of relevant informative data,
- use telecommunications and other communication equipment for the proper execution of work processes,
- rely on his (her) communication skills for maintaining professional relationships with experts of related fields,
- rely on his (her) knowledge of foreign languages in consulting catalogues, manuals and other professional publications.
- ensure:
 - = suitable technical condition of machines, instruments and equipment within his (her) competence,
 - = proper supply of materials, indirect materials, machines, tools, devices, measuring instruments and the availability of power supply necessary for continuous operation, production, maintenance and repair work.
- participate in the analysis and removal of mechanical and electrical failures of chemical and electric machines;
- perform duties of physical nature requiring a higher level of professional expertise:
 - = perform laboratory tasks of mechanical type,
 - = operate complicated chemical engineering equipment,
 - = take part in test jobs suitable for chemical technicians,
 - = execute trial runs, failure analyses, troubleshooting.

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

3117 Mechanical engineering technician

(*) Explanatory notes:

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

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 on transparency is available at: <http://europass.cedefop.europa.eu/>

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SAMPLE

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the institute issuing the certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>In the case of vocational qualifications belonging to the competence of the Ministry of Education (ME), a vocational qualification-related independent professional committee commissioned by the ME</p>																										
<p>Level of the certificate (national or international)</p> <p>Level of vocational qualification according to the National Qualification Register: 55 Higher level vocational qualification based on the baccalaureate.</p> <p>ISCED97 code: 5B</p>	<p>Grading scale / Pass requirements</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Five -grade:</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 60%;">excellent</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> <td>good</td> </tr> <tr> <td></td> <td style="text-align: center;">3</td> <td>satisfactory</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td>pass</td> </tr> <tr> <td></td> <td style="text-align: center;">1</td> <td>fail</td> </tr> </table> <p>Vocational qualification examination after the completion of vocational training</p> <p>Parts of the examination: - Vocational theory - Vocational practice</p> <p>A successful vocational qualification examination requires a pass grade both in vocational theory and practice.</p>	Five -grade:	5	excellent		4	good		3	satisfactory		2	pass		1	fail											
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<p>Certificate number: PT K</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.09.14</p>	<p>Description of vocational theoretical and practical subjects and their grades according to the five-grade scale</p> <p>1. Grades of vocational theoretical examination subjects</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Topics/subjects of written examination</td> </tr> <tr> <td style="width: 80%;">Chemical Reactions and Apparatuses</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td>Chemical Technology</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Written Examination</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Topics/subjects of oral examination</td> </tr> <tr> <td>Defence of Final Exam Project</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Chemical Reactions and Apparatuses</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Control technology</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Environmental technics</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Theory</td> <td style="text-align: center;">5</td> </tr> </table> <p>2. Assessment of vocational practical preparedness</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Subjects of practical examination</td> </tr> <tr> <td>Mechanical Measurements in the Field of Chemical Engineering</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Practice</td> <td style="text-align: center;">5</td> </tr> </table>	Topics/subjects of written examination		Chemical Reactions and Apparatuses	5	Chemical Technology	5	Grade of Written Examination	5	Topics/subjects of oral examination		Defence of Final Exam Project	5	Chemical Reactions and Apparatuses	5	Control technology	5	Environmental technics	5	Grade of Vocational Theory	5	Subjects of practical examination		Mechanical Measurements in the Field of Chemical Engineering	5	Grade of Vocational Practice	5
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<p>Access to next level of education/training</p> <p>To higher education</p>	<p>International agreements</p>																										
<p>Other information concerning the vocational training process</p>																											
<p>Legal basis</p> <p>Act LXXVI of 1993 on vocational training, Decree 27/2001 (VII. 27.) OM of the Minister of Education on the amendment of Decree 7/1993 (XII. 30.) MüM of the Minister of Labour on the National Qualifications Register, Decree 26/2001 (VII. 27.) OM of the Minister of Education on the general rules and rules of procedure of vocational examinations, Decree no. 50/1999. (IX.10.) GM of the Minister of Economic Affairs on the amendment of Decree no. 5/1997. (III.5.) IKIM of the Minister of Industry, Trade and Tourism on qualifications required for performing specific industrial, commercial and tourism related activities, Decree 29/1998. (V.13.) of the Minister of Industry, Trade and Tourism (IKIM) on vocational and examination requirements of Chemical engineer assistant.</p>																											

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 65 % Practice: 35 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

Entry requirements:

- bacalaureate

Further information:

MANDATORY VOCATIONAL THEORETICAL SUBJECTS

Filled in by the exam organiser.

MANDATORY VOCATIONAL PRACTICAL SUBJECTS

Filled in by the exam organiser.

Further information (including the description of the national grading method):

The basis of the grading system is a list of vocational and examination requirements compiled in accordance with uniform criteria and structure, issued in the form of legal regulation that includes the following:

- identification number and description of the vocational qualification as specified in OKJ and the relevant FEOR number,
- school and vocational prequalification required for the start of the training, aptitude and vocational competence requirements and prescribed practice,
- the most typical occupation or activity accessible to the holder of the vocational qualification certificate, the short job description, and the list of related vocational qualifications,
- the duration of the training required for the vocational qualification; maximum number of hours; the ratio of theoretical and practical training; the number of vocational training classes in the vocational training school; the duration of initial training period; the possibility of organising a grade examination assessing the efficiency of practical training,
- occupational requirements of vocational qualification,
- requirements pertaining to vocational examination.

The vocational and examination requirements will be classified by the occupational group committees of the National Qualification Register (OKJ) and by the National Council for Vocational Training, and subsequently they will be issued in the form of legal regulations.

Vocational and examination requirements are available at: <http://www.nive.hu>

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

National Reference Point – NSZFH – <http://nrk.nive.hu>

Head of Examination Organiser:

Issue date: 2023.09.14

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