

**1. TITLE OF THE PROFESSION**

4 0711 24 09 Vegyipari rendszerkezelő

2. TRANSLATED TITLE OF THE PROFESSION

Chemical system operator

(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- operate, either independently or under the supervision of a line manager, machinery, equipment and complex production lines, take part in the management of production, control production equipment and carry out the necessary process control interventions;
- check the signals of modern digital process control instruments, automated systems and pre-programmed process control systems on a daily basis;
- ensure, by means of appropriate intervention where necessary, that the operating parameters of technologies are respected and that the quality of material flows in the technologies meets the required specifications;
- carry out traditional and digital logging tasks, manage data and databases at the level of access and data security corresponding to their scope of duties;
- work with personnel holding different qualifications in chemical production, mainly chemical technicians and chemical engineers;
- assist in daily and periodic maintenance work, carrying out checks and interventions for the purposes of daily maintenance and operational safety, in addition to activities related to production equipment in operation;
- prepare for major general overhauls by shutting down, draining and cleaning the production system as necessary.

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

8132 Basic chemicals and chemical products machine operator (Autoclave operator; Chemical, plastic and rubber material handler, raw material preparator; Chemical products manufacturer; Chemical solvent operator)

8133 Pharmaceutical products machine operator (Manufacturer of basic pharmaceutical products)

8134 Fertiliser and plant-protection products machine operator (Plant protection products manufacturer)

8135 Plastic products machine operator

8136 Rubber products machine operator

(*) Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with 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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5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the authority issuing the certificate</p>	<p>Name and status of the national /regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for Innovation and Technology</p>																		
<p>Level of the certificate (national or international)</p> <p>NQF level: 4</p> <p>EQF level: 4</p> <p>Digital Competence Framework level: 5</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p> <p>The prerequisite of being eligible to sit for a sectoral basic examination is the successful completion of all the required training courses, or the recognised prior learning should incorporate the requirements of the sectoral basic examination. The prerequisite of being eligible to sit for a vocational examination is the successful completion of all the training courses and the uninterrupted professional practice required. In case the student is required to pass a sectoral basic examination, latter shall be recognised with the following weighting: The result of the basic sectoral examination will be computed into that of the vocational examination with the following weighting: Sectoral basic examination: 20%, Vocational examination: 80%</p>																		
<p>Certificate number: CXK A</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.12.07</p>	<p>Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Sectoral basic examination : The examination was passed based on recognised prior learning</td> </tr> <tr> <td colspan="2">Vocational examination</td> </tr> <tr> <td colspan="2">central interactive</td> </tr> <tr> <td>Chemical tasks</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Chemical system operator tasks (Part A: Portfolio preparation and presentation; Part B: Instrument management and process control tasks)</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Result of the vocational examination in percentage</td> <td style="text-align: center;">100%</td> </tr> <tr> <td>Result of the vocational examination with grades</td> <td style="text-align: center;">5</td> </tr> </table>	Sectoral basic examination : The examination was passed based on recognised prior learning		Vocational examination		central interactive		Chemical tasks	5	project exercise		Chemical system operator tasks (Part A: Portfolio preparation and presentation; Part B: Instrument management and process control tasks)	5			Result of the vocational examination in percentage	100%	Result of the vocational examination with grades	5
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Result of the vocational examination in percentage	100%																		
Result of the vocational examination with grades	5																		
<p>Access to next level of education/training</p>	<p>International agreements</p>																		
<p>Other information concerning the vocational training process</p>																			
<p>Legal basis</p> <p>Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act.</p>																			

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme

Total duration of the education/training	1978 hours
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Entry requirements:

- Educational prerequisite: elementary school qualification
- Occupational health aptitude test shall be passed

Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Chemical industry foundation course	12 hour
Technical and digital basics	12 hour
Material storage and transport tasks	12 hour
Industrial thermotechnical tasks	12 hour
Operations with solid materials	12 hour
Operational tasks for chemical systems	12 hour
Industrial process control tasks	12 hour
Safety of pressure vessels	12 hour

VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Chemical industry foundation course	12 hour
Technical and digital basics	12 hour
Material storage and transport tasks	12 hour
Industrial thermotechnical tasks	12 hour
Operations with solid materials	12 hour
Laboratory material testing tasks	12 hour
Industrial chemistry	12 hour
Chemical operations and technologies	12 hour
Industrial process control tasks	12 hour
Safety of pressure vessels	12 hour

Continuous field practice	160 hour
Altogether	400 hour

Link to the Programme and Outcome Requirements and the Programme Curriculum: <https://ikk.hu>
 The present certificate supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.

National Reference Point: National Office of Vocational Education and Training and Adult Learning: <https://nrk.nive.hu>

Head of Examination Organiser: Issue date: 2023.12.07	SEAL
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