

**1. TITLE OF THE PROFESSION**

5 0711 24 08 Vegyész technikus (Termelés folyamatirányító)

2. TRANSLATED TITLE OF THE PROFESSIONChemical engineering technician (Production processes controller)
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- participate, either independently or under the direction of an engineer, in the execution, control, partial or total management of large-scale chemical processes, operation of apparatus and equipment;
- be involved in the operation of chemical technologies in continuous or intermittent operation, in the detection of possible failures during operation, and in taking safety measures and interventions to eliminate the source of the failure;
- continuously monitor, control and ensure the operational parameters of the technologies, the quality of the material flows in the technologies according to the required specifications;
- check the cleanliness of equipment, storage facilities and the condition of the premises to be appropriate for production, and be able to participate in maintenance work;
- carry out plant quality control tests;
- carry out their work in compliance with the chemical industry's health and safety and specific environmental protection requirements.

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

3115 Chemical engineering technician
3115 Chemical engineer assistant
3115 Pharmaceutical industry technician
3115 Pharmaceutical testing technician
3115 Petroleum industry technician
3153 Chemical processing plant controller
3153 Process operator, chemical industry
3132 Chemical, plastic and rubber industry materials handler, raw materials preparer
3132 Chemical manufacturer
3133 Manufacturer of pharmaceutical raw materials

(*) 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 has 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: 5</p> <p>EQF level: 5</p> <p>Digital Competence Framework level: 6</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 engineering technician basics</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Operative and measurement tasks</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Result of the vocational examination in percentage</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> <tr> <td colspan="2">Result of the vocational examination with grades</td> </tr> <tr> <td></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 engineering technician basics	5	project exercise		Operative and measurement tasks	5	Result of the vocational examination in percentage			100%	Result of the vocational examination with grades			5
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<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, Act LXXX of 2019 on Vocational Education and Training.</p>																					

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE SUPPLEMENT

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	2171 hours

Entry requirements:

- School prequalification: primary education
- Occupational health fitness assessment: required

Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Chemical industry foundation course	12 hour
Technical and digital basics	12 hour
Inorganic and organic chemistry	12 hour
Biotechnology	12 hour
Chemical industry technical tasks	12 hour
Applied chemistry	12 hour
Analytics practice	12 hour
Organic preparative practice	12 hour
Standard analytical tests	12 hour
Instrumental analytics practice	12 hour
Technological processes and the related quality assurance	12 hour
Environmental protection and occupational safety and health in the chemical industry	12 hour
Chemical industry operations and their control	12 hour
Chemical industry operations and their control practice	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
General chemistry	12 hour
Inorganic and organic chemistry	12 hour
Biotechnology	12 hour
Chemical industry technical tasks	12 hour
Applied chemistry	12 hour
Technological processes and the related quality assurance	12 hour
Environmental protection and occupational safety and health in the chemical industry	12 hour
Chemical industry operations and their control	12 hour

Continuous field practice 160 hour

Altogether 472 hour

Link to the Training and Outcome Requirements and the Programme Plans: <https://ikk.hu>

The present diploma 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