

**1. TITLE OF THE PROFESSION**

5 0711 24 08 Vegyész technikus (Általános laboráns szakmairány)

2. TRANSLATED TITLE OF THE PROFESSION

Chemical technician (General laboratory technician specialisation)
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- work independently in chemical plant laboratories, quality control, quality assurance and research laboratories according to specifications and standards, under the professional guidance and supervision of a more highly qualified colleague;
- prepare, perform and document chemical and physical tests, classical quantitative and qualitative analytical and instrumental analyses;
- assist in the independent performance and control of laboratory operations, experiments and the preparation of chemical substances on the basis of instructions and specifications; carry out organic and inorganic preparative laboratory or semi-industrial work;
- carry out the sampling necessary for tests and prepare samples for testing;
- handle chemicals and prepare materials, equipment and instruments for tests;
- perform and evaluate tests according to laboratory standards and document the results;
- maintain general order in the laboratory;
- carry out their work in accordance with occupational health and safety and environmental protection standards.

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

3115 Materials testing technician, qualified laboratory technician
3115 Drugs and toxicology laboratory technician
3115 Pharmaceutical (fine chemicals) laboratory technician
3115 Pharmaceutical laboratory technician
3115 Pharmaceutical testing assistant
3115 Pharmaceutical testing technician
3115 Laboratory assistant (chemistry)
3115 Chemical laboratory technician
3115 Chemical engineering technician
3115 Chemical measurement technician
3134 Environmental and water quality laboratory technician
3134 Water quality testing laboratory technician

(*) 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									
Name and status of the authority issuing the certificate	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry for Innovation and Technology								
Level of the certificate (national or international) NQF level: 5 EQF level: 5 Digital Competence Framework level: 6	Grading scale / Pass requirements Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail <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>								
Certificate number: CXK A Serial number: 123456 Certificate issue date: 2025.03.14	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 Sectoral basic examination : The examination was passed based on recognised prior learning Vocational examination central interactive <table border="1"> <tr> <td>Chemical engineering technician basics</td> <td>5</td> </tr> </table> project exercise <table border="1"> <tr> <td>Analytical and preparative tasks</td> <td>5</td> </tr> </table> <table border="1"> <tr> <td>Result of the vocational examination in percentage</td> <td>100%</td> </tr> <tr> <td>Result of the vocational examination with grades</td> <td>5</td> </tr> </table>	Chemical engineering technician basics	5	Analytical and preparative 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 with grades	5								
Access to next level of education/training	International agreements								
Other information concerning the vocational training process									
Legal basis 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.									

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																																																																				
<p>Entry requirements:</p> <ul style="list-style-type: none"> - Educational prerequisite: primary education - Occupational health aptitude test: required <p>Further information:</p> <table> <thead> <tr> <th>VOCATIONAL PRACTICAL SUBJECT</th><th>HOURS</th></tr> </thead> <tbody> <tr><td>Chemical industry foundation course</td><td>12 hour</td></tr> <tr><td>Technical and digital basics</td><td>12 hour</td></tr> <tr><td>Inorganic and organic chemistry</td><td>12 hour</td></tr> <tr><td>Biotechnology</td><td>12 hour</td></tr> <tr><td>Chemical industry technical tasks</td><td>12 hour</td></tr> <tr><td>Applied chemistry</td><td>12 hour</td></tr> <tr><td>Analytics practice</td><td>12 hour</td></tr> <tr><td>Organic preparative practice</td><td>12 hour</td></tr> <tr><td>Standard analytical tests</td><td>12 hour</td></tr> <tr><td>Instrumental analytics practice</td><td>12 hour</td></tr> <tr><td>Running laboratories</td><td>12 hour</td></tr> <tr><td>Industrial and laboratory production of products</td><td>12 hour</td></tr> <tr><td>Preparative practice</td><td>12 hour</td></tr> <tr><td>Environmental and labour safety</td><td>12 hour</td></tr> <tr><td>Biotechnology practice</td><td>12 hour</td></tr> <tr><td>Laboratory and chemical operations and their control</td><td>12 hour</td></tr> <tr> <th>VOCATIONAL THEORETICAL SUBJECT</th><th>HOURS</th></tr> <tr><td>Vocational knowledge</td><td>12 hour</td></tr> <tr><td>Vocational foreign language knowledge</td><td>12 hour</td></tr> <tr><td>Chemical industry foundation course</td><td>12 hour</td></tr> <tr><td>Technical and digital basics</td><td>12 hour</td></tr> <tr><td>General chemistry</td><td>12 hour</td></tr> <tr><td>Inorganic and organic chemistry</td><td>12 hour</td></tr> <tr><td>Biotechnology</td><td>12 hour</td></tr> <tr><td>Chemical industry technical tasks</td><td>12 hour</td></tr> <tr><td>Applied chemistry</td><td>12 hour</td></tr> <tr><td>Running laboratories</td><td>12 hour</td></tr> <tr><td>Environmental and labour safety</td><td>12 hour</td></tr> <tr><td>Laboratory and chemical operations and their control</td><td>12 hour</td></tr> <tr><td>Industrial and laboratory production of products</td><td>12 hour</td></tr> <tr><td>Preparation for exams</td><td>12 hour</td></tr> <tr><td>Continuous field practice</td><td>160 hour</td></tr> <tr><td>Altogether</td><td>520 hour</td></tr> </tbody> </table> <p>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.</p> <p>National Reference Point: National Office of Vocational Education and Training and Adult Learning: https://nrk.nive.hu</p>		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	Running laboratories	12 hour	Industrial and laboratory production of products	12 hour	Preparative practice	12 hour	Environmental and labour safety	12 hour	Biotechnology practice	12 hour	Laboratory and chemical operations and their control	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	Running laboratories	12 hour	Environmental and labour safety	12 hour	Laboratory and chemical operations and their control	12 hour	Industrial and laboratory production of products	12 hour	Preparation for exams	12 hour	Continuous field practice	160 hour	Altogether	520 hour
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Head of Examination Organiser: Issue date: 2025.03.14	SEAL
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