

**1. TITLE OF THE PROFESSION**

5 0724 01 05 Fluidumkitermelő technikus

**2. TRANSLATED TITLE OF THE PROFESSION**Fluid exploitation technician  
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- Apply work, environmental, health, safety, fire and security rules/regulations during fluid mining activities;
- Use legal, regulatory and other specific requirements for fluid mining;
- Prepare technical drawings for use in technological repairs;
- Carry out basic installation, repair and maintenance work in fluid mining systems;
- Coordinate geological/geophysical research to prepare and support fluid mining;
- Evaluate and summarise the measurement results obtained;
- Carry out the deep drilling operations specified in the geological-technical plan and the drilling implementation plan;
- Prepare, assemble and safely operate the equipment, machinery and tools used in deep drilling, completion and core drilling activities;
- In the event of a malfunction, avert the failure. Use technical language/terminology in the course of his or her work, if necessary also in a foreign language (English);
- Analyses rock and fluid samples from deep drilling and completion activities using a variety of laboratory methods. Interpret the geological/geophysical information obtained from the above activities;
- Collect, organise and analyse the cultivation plans, studies and input data required for the cultivation of fluid farms;
- Analyse the interaction between the production well and the fluid plant to be produced, based on the available (well/plant) data. On this basis, it selects the production technology and the technical and engineering infrastructure of the well/plant in question;
- Supervise, operate, repair and maintain the in-field and off-field well stock. Carry out appropriate technical interventions in the event of malfunctions;
- Take instrumental measurements on different types of wells producing in the field. Document and evaluate the obtained results, on the basis of which intervene in the operation of the well and initiate changes to improve efficiency. Prepare, assemble and safely operate the well repairing equipment and its components;
- Supervise, operate, repair and maintain surface technology systems for the collection, handling, storage and transport of fluids. Carry out appropriate technical interventions in the event of malfunctions;
- Supervises, operates, repairs and maintains the technological systems and technical/engineering units required for underground gas storage. Carry out the appropriate technical interventions in the event of malfunctions;
- Organise the workflow for the clean-up of technologies and wells after the cessation of mining activities.

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

3111 Mining technician

**(\*) Explanatory notes:**

<sup>1</sup> In the original language. | <sup>2</sup> The translation of the designation is provided for information purposes only. | <sup>3</sup> 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

<b>Name and status of the authority issuing the certificate</b>	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b>  Ministry for Innovation and Technology												
<b>Level of the certificate (national or international)</b>  NQF level: 5  EQF level: 5  Digital Competence Framework level: 6	<b>Grading scale / Pass requirements</b>  Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail  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%												
<b>Certificate number: CXK A</b>  Serial number: 123456  Certificate issue date: 2024.09.23	<b>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</b>  <b>Sectoral basic examination :</b> The examination was passed based on recognised prior learning  <b>Vocational examination</b> <b>central interactive</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Vocational knowledge for fluid exploitation technicians</td> <td style="width: 20%; text-align: center;">5</td> </tr> </table> <b>project exercise</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Project task for fluid exploitation technicians</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td>Examination part A) Research work</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Examination part B) Portfolio</td> <td style="text-align: center;">5</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Result of the vocational examination in percentage</td> <td style="width: 20%; 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>	Vocational knowledge for fluid exploitation technicians	5	Project task for fluid exploitation technicians	5	Examination part A) Research work	5	Examination part B) Portfolio	5	Result of the vocational examination in percentage	100%	Result of the vocational examination with grades	5
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<b>Access to next level of education/training</b>  To higher education	<b>International agreements</b>												
<b>Other information concerning the vocational training process</b>  The prerequisite for starting the professional examination is the preparation of the portfolio and the documents containing the research work.													
<b>Legal basis</b>  Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 95/2021 (II. 27.) on the Amendment of Certain Government Decrees Relating to Vocational Education and Training and Adult Training, Act LXXX of 2019 on Vocational Education and Training, Government Decree 292/2023 (VII. 6.) on the amendments to government decrees due to the ex-post impact assessment of the transformation in 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	2236 hours

**Entry requirements:**

- Educational prerequisite: primary education
- Occupational health aptitude test: required
- Aptitude test before starting the specialised training: required

**Further information:**

VOCATIONAL PRACTICAL SUBJECT	HOURS
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Deep drilling technologies	12 hour
Production technologies	12 hour
Health, safety and environmental protection (HS&EP) knowledge	12 hour
Mechanical engineering knowledge	12 hour
Technical drawing	12 hour
Thermodynamics and fluid mechanics	12 hour
Geology	12 hour

VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Deep drilling technologies	12 hour
Production technologies	12 hour
Health, safety and environmental protection (HS&EP) knowledge	12 hour
Mechanical engineering knowledge	12 hour
Technical drawing	12 hour
Thermodynamics and fluid mechanics	12 hour
Geology	12 hour

Continuous field practice	160 hour
Altogether	400 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: 2024.09.23	<b>SEAL</b>
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