

**1. TITLE OF THE PROFESSION**

5 0715 10 06 Gépgyártástechnológiai technikus

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

- plan the production of a specific component by machining or non-machining on the basis of a technical drawing, and determine the machines, tools and technological parameters required;
- use the technical tables and CAD/CAM software required for technological design;
- produce workpieces by manual and conventional machining;
- operate and tool a CNC machine and subsequently produce a component;
- write and test CNC programs to produce simple components;
- check dimensions, document them in a measurement report and make corrections in the event of errors;
- supervise the operation, adjustment and maintenance of machines, technical systems, pneumatic and hydraulic units and carry out repairs where necessary;
- operate a PLC control interface;
- operate a robot and monitor its operation;
- record and evaluate production and repair data and machine data;
- observe and enforce occupational safety and health, accident prevention, fire and environmental protection regulations during his/her work.

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

3116 Mechanical engineering 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 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

<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: 2023.12.07	<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> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2"><b>central interactive</b></td> </tr> <tr> <td style="width: 80%;">Production planning</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td colspan="2"><b>project exercise</b></td> </tr> <tr> <td>Machining complex geometry components using conventional and CNC machining processes and assembling the component</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>	<b>central interactive</b>		Production planning	5	<b>project exercise</b>		Machining complex geometry components using conventional and CNC machining processes and assembling the component	5			Result of the vocational examination in percentage	100%	Result of the vocational examination with grades	5
<b>central interactive</b>															
Production planning	5														
<b>project exercise</b>															
Machining complex geometry components using conventional and CNC machining processes and assembling the component	5														
Result of the vocational examination in percentage	100%														
Result of the vocational examination with grades	5														
<b>Access to next level of education/training</b>	<b>International agreements</b>														
<b>Other information concerning the vocational training process</b>															
<b>Legal basis</b>  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	2157 hours

**Entry requirements:**

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

**Further information:**

VOCATIONAL PRACTICAL SUBJECT	HOURS
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Production preparation	12 hour
Machining operations	12 hour
Quality control	12 hour
CNC machining and machine operation	12 hour
Basics of CNC programming	12 hour
Technical drawing	12 hour
Knowledge of materials and production technology	12 hour
Production planning	12 hour
Fitting and maintenance	12 hour
Automisation	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
Production preparation	12 hour
Machining operations	12 hour
Quality control	12 hour
CNC machining and machine operation	12 hour
Basics of CNC programming	12 hour
Technical calculations	12 hour
Technical drawing	12 hour
Knowledge of materials and production technology	12 hour
Production planning	12 hour
Fitting and maintenance	12 hour
Automisation	12 hour

Continuous field practice 160 hour

Altogether 484 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**