



1. TITLE OF THE CERTIFICATE (DE) (1)

**Abschlussprüfung im staatlich anerkannten Ausbildungsberuf
Gießereimechaniker und Gießereimechanikerin**

(1) in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)(1)

Final examination in the state-recognized training occupation Foundry mechanic

(1) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- Production of castings in lost moulds or permanent moulds in accordance with particular occupational safety and quality specifications
- Setting up of foundry machines and systems, entering of necessary operating values and retooling for changes in products.
- Operation and controlling of foundry machines and systems
- Completion of tasks using construction drawings and associated technical documentation in accordance with customer specific requirements
- Use of information for relating to order completion consisting of data sheets, specifications, standards, descriptions as well as operating and work instructions
- Correct assembly or pattern equipment in accordance with drawings
- Planning, monitoring and optimization of work processes within the production process
- Application of measures relating to occupational safety and environmental protection
- Blending, smelting and alloying of cast materials, monitoring and checking of smelting
- Preparation and checking of moulding materials
- Use of tools, machines, devices, jigs and systems for mechanical moulding material preparation, mould and core making
- Setting up of permanent mould or pattern equipment for the production process
- Ensuring quality of cast parts through the entire production process.
- Keeping and interpretation of statistics and records, in particular relating to quality data
- Identification of casting defects, arranging measures for their removal
- Post-treatment of cast parts
- Identification of malfunctions in production systems and production equipment, taking measures to remedy these and maintenance of production resources
- Active involvement in group discussions on the improvement of process safety and quality, regarding optimisation of group work stations and for the purpose of internal group agreement.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE (1)

Foundry mechanics are employed in the production of cast parts of different sizes, materials, properties both in job as well as in series production. Their duties involve the production and preparation of moulds with the aid of various moulding and casting processes as well as the monitoring of foundry production systems focussed mainly on hand-mould casting, machine-mould casting, die and chill casting, precision casting, smelting operation or core manufacturing.

(1) if applicable

(*) Explanatory notes

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: www.europass.cedefop.eu.int/transparency

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the body awarding the certificate</p> <p>Chamber of Industry and Commerce</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Chamber of Industry and Commerce</p>
<p>Level of the certificate (national or international)</p> <p>ISCED 3B German Qualifications Framework (DQR) level 4 (alignment is preliminary pursuant to "German Qualifications Framework for Lifelong Learning" - German EQF - Referencing report of 15 November 2012). Published by: Federal Ministry of Education and Research (BMBF), Berlin and Bonn; Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany (Conference of the Ministers of Education and Cultural Affairs - KMK), Berlin)</p>	<p>Grading scale / Pass requirements</p> <p>100-92 points = 1 = excellent 91 - 81 points = 2 = good 80 - 67 points = 3 = average 66 - 50 points = 4 = pass 49 - 30 points = 5 = poor 29 - 0 points = 6 = fail</p> <p>A total of at least 50 grade points are required to pass the examination.</p>
<p>Access to next level of education / training</p> <p>Certified industrial foreman with foundry specialism Certified industrial foreman with metal specialism State certified technician with the relevant specialism</p>	<p>International agreements</p> <p>In the field of vocational training, joint declarations on the comparability of qualifications obtained in the respective vocational training systems have been signed on the basis of bilateral agreements concluded between Germany and France and between Germany and Austria.</p>
<p>Legal basis</p> <p>Ordinance on Initial Vocational Education and Training in the Occupation of Foundry mechanic of 07/02/2015 (Federal Law Gazette, Part I, p 1134) Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany, KMK, of 26.03.2015)</p>	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<p>Final examination administered by the competent body:</p> <ol style="list-style-type: none"> 1. after completion of dual training in a company and at part-time vocational school (normal procedure) 2. after retraining in a recognized training occupation 3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions
<p>Additional information</p> <p>Entry requirements: Entry requirements are not governed by legislation; as a rule, young people are admitted after completing (nine or ten years of) general education.</p> <p>Duration of training: 3,5 years.</p> <p>Training in the "dual system": Teaching of the knowledge, skills and competences needed for an occupation is based on the typical requirements of work and business processes and prepares the trainees for a specific job. The training is provided in a company and at part-time vocational school: In the company, the trainees acquire practical skills in a real working environment. On one or two days per week, the trainees attend part-time vocational school, where they are taught general and vocational knowledge related to their training occupation.</p> <p>More information is available at: www.berufenet.arbeitsagentur.de</p> <p>National Europass Centre www.europass-info.de</p>