

Welcome to Germany

ZAV – INTERNATIONAL AND SPECIALIZED SERVICES



GD Bildung und Kultur
Programm für lebenslanges Lernen



Bundesagentur für Arbeit

Zentrale Auslands-
und Fachvermittlung (ZAV)

The International Placement Services (ZAV), a department of the German Federal Employment Agency in cooperation with EURES, is recruiting and placing job seekers who are interested in working in Germany. Nowadays we are looking for different kinds of engineers.

All of them will need at minimum the following abilities, so that we could check if we would be able to help them:

language skills

German – minimum A2 and the willing to improve them

English – minimum B2

tasks and activities

(The tools and equipment that an individual engineer may need are similarly variable, depends of the different field of the company)

skills and knowledge

first working experience is required

diverse skills depending on the tasks and activities

flexibility to travel within Germany and internationally

If they will have these skills, it would be kind if they send their applications to:

Zentrale Auslands- und Fachvermittlung (ZAV)

Villemombler Straße 76

53123 Bonn

zav@arbeitsagentur.de

At following pages, you will find the conditions for some professions so that the applicants would have a good chance to find a job in a short time.

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On behalf of **different employers throughout Germany** we are looking for:

Electrical Engineers (m/f)

Ingenieur für Elektrotechnik (m/f)

educational background

University degree in Electrical Engineering

companies in the field of

- electronics,
- digital computers,
- power engineering,
- telecommunications,
- control systems,
- radio-frequency engineering,
- signal processing,
- instrumentation,
- microelectronics....

scope of duties/functional areas (exemplary)

- hardware engineering,
- power electronics,
- electromagnetics & waves,
- microwave engineering,
- nanotechnology,
- electrochemistry,
- renewable energies,
- mechatronics,
- electrical materials science,
-and many more.

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tasks and activities

(The tools and equipment that an individual engineer may need are similarly variable, depends of the different field of the company)

skills and knowledge

first working experience is required

diverse skills depending on the tasks and activities

flexibility to travel within Germany and internationally

language skills

German – minimum B1

English – minimum B2

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On behalf of **different employers throughout Germany** we are looking for:

Mechanical Engineers (m/f)

Maschinenbauingenieur (m/f)

educational background

University degree in mechanical engineering or technical university degree (e.g. electrical engineering, etc.) or finished apprenticeship as a technician and work experience

brief description

Mechanical engineers research, design, develop, build, and test mechanical and thermal sensors and devices, including tools, engines, and machines.

scope of duties/functional areas (exemplary)

- Engineering services
- Machinery manufacturing
- Computer and electronic product manufacturing
- Research and development in the physical, engineering, and life sciences
- Aerospace or automotive product and parts manufacturing

tasks and activities

Mechanical engineers typically do the following (e.g.):

- Analyse problems to see how mechanical and thermal devices might help solve a particular problem
- Design or redesign mechanical and thermal devices or subsystems, using analysis and computer-aided design (CAD)
- Develop and test prototypes of devices they design
- Analyse the test results and change the design or system as needed
- Oversee the manufacturing process for the device
- Design and oversee the manufacture of many products ranging from medical devices to new batteries
- Design power-producing machines, such as electric generators, internal combustion engines, and steam and gas turbines, as well as power-using machines, such as refrigeration and air-conditioning systems.
- Design other machines inside buildings, such as elevators and escalators. They also design material-handling systems, such as conveyor systems and automated transfer stations.

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- Routinely responsible for the integration of sensors, controllers, and machinery.
- Computer technology helps mechanical engineers create and analyse designs, run simulations and test how a machine is likely to work, interact with connected systems, and generate specifications for parts.

skills and knowledge

first working experience is required

diverse skills depending on the tasks and activities

skills in relevant 2D-/3D-design tools in CAD/CAM or CAE software, programs or systems

flexibility to travel within Germany and internationally

language skills

should be communicative

German – minimum B1 due to extensive contact with colleagues and customers

English – minimum B2

additional language skills are a plus

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On behalf of **different employers throughout Germany** we are looking for:

Industrial Engineers (m/f)

Wirtschaftsingenieur (m/f)

educational background

University degree in Industrial Engineering or technical university degree (e.g. mechanical engineering, electrical engineering, etc.) + further education in the field of business development

brief description

Industrial Engineers are planning, reviewing and improving operations in terms of technical efficiency and the greatest possible economic efficiency in a company's various functional areas.

scope of duties/functional areas (exemplary)

- production and quality assurance
- logistics and materials management
- marketing, sales and customer support
- accounting and controlling
- IT applications and systems
- Human Resources

tasks and activities

Industrial engineers work in a variety of areas (e.g.):

- production: to analyse and optimize business processes
- production: to develop e.g. new processes and to be responsible for their introduction into the production line
- logistics, purchasing and distribution: to design strategies for the procurement of materials and the distribution of the products
- logistics, purchasing and distribution: intensive market analysis to tap into new purchasing markets
- logistics, purchasing and distribution: to offer intensive counselling to customers
- IT sector: to develop e.g. specific system solutions for specific customer groups
- quality management: to assign employees to quality control procedures and support them in the implementation of standards
- Controlling and corporate consulting

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skills and knowledge

first working experience is required

diverse skills depending on the tasks and activities

flexibility to travel within Germany and internationally

language skills

German – minimum B2 due to extensive contact with colleagues and customers

English – minimum B2

additional language skills are a plus

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On behalf of **different employers throughout Germany**, we are looking for a:

Automation engineers (m/f)

Ingenieur Automatisierungstechnik (m/f)

educational background:

university degree in Automation engineering **or**
technical university degree in mechatronic engineering, electrical engineering, computer science, robotic process automation, systems engineering and other comparable studies

brief description

Automation engineers research, develop, design and test automation technology.

scope of duties/functional areas (exemplary)

- planning, developing and implementation of automation systems
- designing, programming, simulating and testing automated machinery and processes in order to complete exact tasks
- developing, producing sensors for engine control units
- data analyzing and reporting
- commissioning systems
- supervising and managing projects
- other possible functional areas: quality management, distribution, business organization, customer service

skills and knowledge:

- fully qualified and completed degree in automation engineering or other relevant studies (see educational background)
- working experience in field of automation engineering required
- knowledge in PLC-programing
- knowledge in CAD-systems (3-D-modeling systems preferred)
- knowledge in some programming languages, e.g. C, C++, Python, Java
- experienced and proficient PC knowledge (MS-Office / MS-Project)
- customer oriented
- flexibility to travel within Germany and international

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language skills

German – minimum B1/B2 due to extensive contact with colleagues and customers

English – minimum B2

additional languages are a plus

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On behalf of **different employers throughout Germany**, we are looking for:

Project Engineers (m/f)

Projektingenieur (m/f)

Educational background

University degree in any field of engineering (e.g. mechanical engineering, electrical engineering, etc.) and further qualification in the field of project management

Brief description

Project Engineers prepare, schedule, coordinate and monitor the assigned engineering projects.

Scope of duties/functional areas (exemplary)

- Planning, coordination and management of projects in all areas required within a company
- Logistics and materials management
- Business partner and customer support
- Engineering services

Tasks and Activities

Project engineers typically do the following (e.g.):

- Independent handling and management of company projects
- Responsibility for the creation of reports and timetables and the keeping of deadlines
- Coordination of personnel (internal/external), stock/material as well as disposition
- Participation in consultation meetings with customers and business partners
- To issue/compile measurements as well as to maintain a defined reporting system

Skills and Knowledge

- At least 5 years of working experience as an engineer

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- At least one year of experience in the field of project management or a special qualification in this field (experience in the process of planning projects)
- Competent dealing with MS-Office
- Team oriented, structured and independent as well as goal- and result-oriented working style
- Flexibility to travel within Germany and internationally
- You operate in compliance with cost awareness and possess leadership skills

Language skills

- Strong communication skills
- German – minimum B2 due to extensive contact with colleagues, customers and business partners
- English – minimum B 2
- Additional language skills are a plus