



Skilled work in Germany

# Microsystems technician

Berufe in der Mikrosystemtechnik

You manufacture and test miniaturised components used in electronics, medicine or the automotive industry.

# What you do day to day

## JOB LEVEL

**Experte**

Advanced higher education

## USUAL QUALIFICATION

**Depends on level**

higher education (Bachelor, Master or equivalent)

## GERMAN

**B2 a C1**

varies by employer

## RECOGNITION

**Not regulated**

usually not mandatory

## Your tasks

- ✓ Manufacture microtechnology components
- ✓ Assemble microsystems in a cleanroom
- ✓ Check component quality
- ✓ Carry out electrical and mechanical tests
- ✓ Document manufacturing processes

## Technical skills

Cleanroom work

Microfabrication

Precision quality control

Component measurement and testing

## A typical day

Teaching scenario, not a testimonial.

**08:00 Start of shift** Manufacture microtechnology components

**10:00 Core activity** Assemble microsystems in a cleanroom

**13:30 Afternoon resume** Check component quality

**15:30 Follow-up** Carry out electrical and mechanical tests

**17:00 End of day** Document manufacturing processes

## Personal qualities

Rigour

Service mindset

Teamwork

Clear communication

# Which routes lead to a job in Germany?

| Route                                                     | For whom (general principle)                                                      | For this job        |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------|
| <b>Skilled employment with a recognised qualification</b> | You hold a recognised qualification and an offer from a German employer.          | <b>Pertinente</b>   |
| <b>EU Blue Card</b>                                       | University degree and a salary above an annual threshold that changes every year. | <b>Selon profil</b> |
| <b>Opportunity Card (Chancenkarte)</b>                    | Look for a job on the spot, using a points system.                                | <b>Selon profil</b> |

## Recognition: usually not mandatory

The occupation is not regulated. An employer mainly judges your skills and experience, but a recognised or assessed qualification can ease access to some routes.

## YOUR PATH

# From the first test to the first day of work in Germany

|          |                                                           |                                                                                                                                                                      |
|----------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | <b>Check my eligibility</b>                               | <br><b>CAMPUS GERMANY</b>                                                         |
| <b>2</b> | <b>Talk to an advisor</b>                                 | <br><b>CAMPUS GERMANY</b>                                                       |
| <b>3</b> | <b>Learn German up to the required level</b>              | <br><b>DZK</b><br>Deutsch<br>Zentrum<br>KAGEDEV                                 |
| <b>4</b> | <b>Prepare the application file</b>                       | <br><b>CAMPUS GERMANY</b>                                                       |
| <b>5</b> | <b>Find the employer and sign the employment contract</b> | <br><b>AZUFA</b>                                                                |
| <b>6</b> | <b>Prepare the visa and paperwork</b>                     | <br><b>CAMPUS GERMANY</b>                                                       |
| <b>7</b> | <b>Prepare your departure and settling in</b>             | <br><b>KAGEDEV E.V.</b><br>KAPVERDISCHES<br>GEWERKSCHAFT<br>IN DEUTSCHLAND E.V. |
| <b>8</b> | <b>First day of work in Germany</b>                       | <br><b>AZUFA</b>                                                                |

### What attracts

- ✓ In demand in Germany
- ✓ Progression possible with experience
- ✓ Further training available

### What is hard

- Professional German required
- Qualification needs evaluation
- Adapting to German work methods

### Avoid if...

- You have no experience or training in this field

### Possible progression

Progression depends on experience and further training.

#### USEFUL SERVICES

## We are by your side

**Eligibility test** Check in a few minutes the most realistic route for your profile. [campus-allemande.org/test](https://campus-allemande.org/test)

**German courses** Prepare the required level at the DZK language centre or with our partners. [campus-allemande.org/cours-de-langue](https://campus-allemande.org/cours-de-langue)

**Interview with an advisor** Review your file and your documents. [campus-allemande.org/rendez-vous](https://campus-allemande.org/rendez-vous)

**Housing in Germany** Guidance to prepare your arrival. [campus-allemande.org/logement-allemande](https://campus-allemande.org/logement-allemande)

**Track my application** Find your steps in your candidate space. [campus-allemande.org/mon-dossier](https://campus-allemande.org/mon-dossier)

**Employer offers** Offers will be published here as soon as they are available.

## Ready to find out if this job is for you?

Germany: +49 (0) 7033 694 18 80 · Cameroon: +237 622 20 81 64

Douala office : Rond-point Maetur Bonamoussadi – Nice Cream building (4th floor), opposite the COGENI hardware store, Douala, Cameroon

Generated on 29 Sep 2026 · Up-to-date page : [campus-allemande.org/en/travail-qualifie/catalogue/industrie-metallurgie-mecanique/berufe-in-der-mikrosystemtechnik](https://campus-allemande.org/en/travail-qualifie/catalogue/industrie-metallurgie-mecanique/berufe-in-der-mikrosystemtechnik)



Up-to-date page