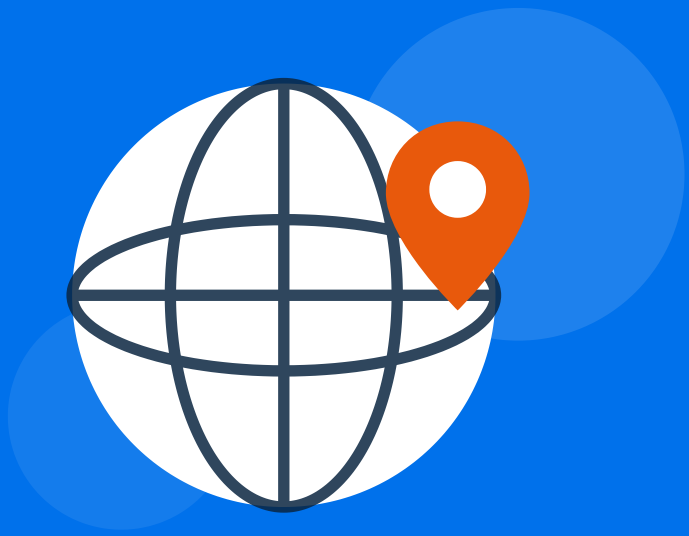
Vocational training in Germany (Ausbildung)

Geomatics technician (Geomatiker/in)

Geomatiker / Geomatikerin

You turn geographic data into maps, plans and 3D models: a paid 3-year training for an office-based career where fieldwork and computing meet.



LEVEL	DURATION	GERMAN	PAY DURING TRAINING
Baccalaureate	**3 years**	**B2**	**€1,265 to €1,370**
required	36 months	required level	gross / month, during the training

We are by your side from day one until you arrive in Germany.

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+49 (0) 7033 694 18 80

CAMEROON
+237 622 20 81 64

www.campus-allemagne.org

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

View the full sheet online

THE OCCUPATION IN 30 SECONDS

What a geomatics technician does

They gather geographic data, either by carrying out surveys themselves or by reusing existing information, then process it with software to produce maps and models.

Collect

Carry out surveys or reuse existing geographic information to obtain reliable data.

Process

Clean, link and analyse the data with specialist software to create maps and graphics.

Present

Produce 3D representations and multimedia applications, then advise the client on the conclusions to draw.

This occupation is for you if...

- ✓ you like working on a computer with maps and data
- ✓ you have a sense of space and like reading plans
- ✓ you are careful when checking and cross-referencing data
- ✓ you like alternating between the office and, sometimes, fieldwork measurements

Less suitable if...

- – you cope badly with sitting in front of a screen for long periods
- – you are looking for an almost entirely physical job
- – you dislike working with data and software

A TYPICAL DAY IN THE WORKSHOP

08:00 **Start of shift and priorities** : Look at the day's requests and check the geographic data to be processed.

09:00 **Collecting the data** : Import measurements and images, and check their accuracy and consistency.

10:30 **Processing in software** : Combine several data sources in a geographic information system.

13:00 **Producing a map** : Draw a map or plan from the data and choose the clearest presentation.

14:30 **Visualisation and 3D model** : Build a three-dimensional representation and highlight the key points.

16:00 **Checking and documenting** : Check the result, save the data and note the steps followed.

Geographic information systems | Geodata processing | Cartography | 3D modelling | Databases | Fieldwork surveys | Precision | Spatial sense | Logic | Analytical mind | Independence

THE TRAINING

How the Ausbildung works

In Germany you learn by working: this is the “dual system”. You are an employee of a company and a student at a vocational school (Berufsschule) at the same time.

3 to 4 days a week at the company	1–2 days school

Year 1

The basics

- Geoinformation basics
- Data collection
- Intermediate exam

Year 2

Technique

- Processing and visualisation
- Databases and GIS
- Maps, plans and models

Year 3

Independence

- Analysing and linking data
- Geodata management
- Final exam

Exams and qualification

An intermediate exam (Zwischenprüfung) takes place at the start of the second year and covers the first year. The final exam (Abschlussprüfung) has five areas, of which geodata processes count for 40 per cent. You obtain the final training certificate, issued by the Chamber of Commerce (IHK) or, in the public sector, by the competent body.

YOU ARE PAID DURING THE TRAINING

What you need to apply

- ✓ Baccalaureate level is required.
- ✓ The required level is B2. Good technical vocabulary for the trade is a real plus.
- ✓ It is mainly office work in front of a screen; occasional fieldwork calls for being at ease outdoors and handling measuring instruments precisely.

Documents to prepare

- ✓ CV and cover letter in German
- ✓ Translated baccalaureate diplomas and transcripts
- ✓ German B2 level certificate

AFTER THE TRAINING

Where it can lead

STRAIGHT AWAY

Skilled geomatics technician

Jobs in a land-registry authority or in a company that uses geographic information systems.

WITH EXPERIENCE

Further training

Deepen your skills in earth sciences or surveying technology through short training courses.

LONGER TERM

Technician or degree

Become a surveying technician (Techniker), study or offer geodata visualisation services as a freelancer.

YOUR PATHWAY WITH CAMPUS GERMANY

We are by your side from day one until you arrive in Germany

1

CHECK MY ELIGIBILITY

Take the test online or at the office

The eligibility test is done online on our website, or by visiting our Douala office directly.

2

TALK TO AN ADVISOR

Talk to our team

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

3

PREPARE YOUR GERMAN

DZK, our language centre

Deutschzentrum KAGEDEV (DZK) is our own language centre in Douala. Outside Douala: partner language centres, call us to find the nearest one.

4

GET THE CONTRACT

AZUFA is always us

AZUFA is our platform: it connects you with German companies that recruit apprentices and follows your application through to the training contract.

Douala office

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

From German A1 to the first day of training in Germany

Each step is run by one of our structures. You keep the same contact from start to finish.

1 — **Check my eligibility**
The test is done online on our website or at our Douala office.
RUN BY CAMPUS GERMANY

2 — **Talk to an advisor**
Review your profile, your wishes and the chosen occupation.
RUN BY CAMPUS GERMANY

3 — **Learn German, from A1 to B2**
Courses adapted to your starting level, up to the required B2 level. In Douala at our own language centre; elsewhere, with our partner centres.
RUN BY DZK

4 — **Prepare the application file**
CV and cover letter in German, translated baccalaureate diplomas and transcripts, B2 level certificate.
RUN BY CAMPUS GERMANY

5 — **Find the company and sign the training contract**
We connect you with German companies that recruit apprentices, and follow your application through to the contract.
RUN BY AZUFA

6 — **Prepare the visa and paperwork**
Support to gather the documents and complete the administrative steps.
RUN BY CAMPUS GERMANY

7 — **Prepare your departure and settling in**
Travel, housing and first steps in Germany: we prepare you before you leave.
RUN BY KAGEDEV E.V.

8 — **First day of training in Germany**
You arrive prepared and supported, with a team that has known you since day one.
RUN BY AZUFA

Contact us

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