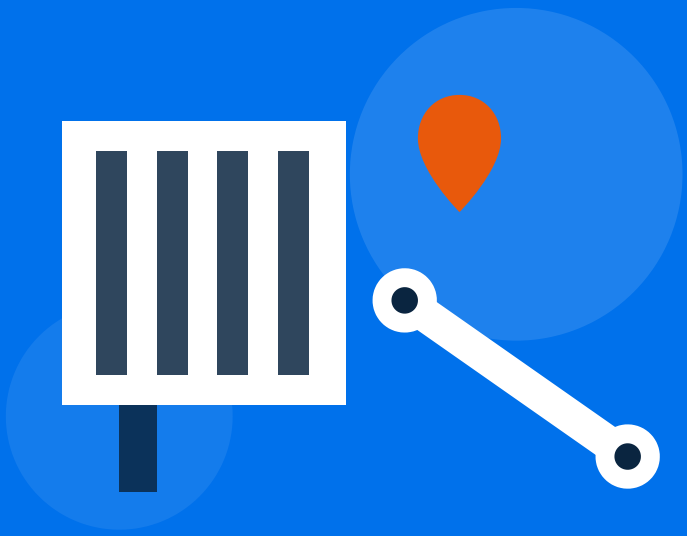
Vocational training in Germany (Ausbildung)

Plumbing, heating and air-conditioning systems mechanic (Anlagenmechaniker SHK)

Anlagenmechaniker für Sanitär-, Heizungs- und Klimatechnik / Anlagenmechanikerin für Sanitär-, Heizungs- und Klimatechnik

You install and service sanitary systems, heating, ventilation and heat pumps: a paid training of three and a half years for a versatile technical trade.



LEVEL	DURATION	GERMAN	PAY DURING TRAINING
Baccalaureate required	**3.5 years** 42 months	**B2** required level	**€927 to €1,140** gross / month, during the training

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

GERMANY
+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 plumbing, heating and air-conditioning systems mechanic does

They install water and air systems, fit and connect sanitary equipment, commission boilers and heat pumps, install smart-home systems and advise customers.

Install

Lay pipes and ducts, fit sanitary ware, heating and ventilation in homes and buildings.

Commission

Connect boilers and heat pumps, adjust the system and explain its use to the customer.

Maintain

Inspect, service and repair systems, with on-call duty at times.

This occupation is for you if...

- ✓ you like understanding how a technical installation works
- ✓ you are handy at bending, welding and assembling pipes
- ✓ you are comfortable explaining a solution to a customer
- ✓ you like alternating between workshop, building site and customers' homes

Less suitable if...

- – you are afraid of heights on ladders and scaffolding
- – you dislike on-call duty and urgent repair calls
- – you find it hard to carry heavy components

A TYPICAL DAY IN THE WORKSHOP

07:30 **Start of shift and orders** : Prepare the supplies, re-read the work order and load the service vehicle.

08:30 **Cutting and bending pipes** : Cut, bend and join copper or steel pipes according to the system diagram.

10:30 **Fitting a sanitary unit** : Fit a shower or a washbasin, connect the water and check that it is watertight.

13:00 **Connecting the heating** : Fix the pipes, fit the insulation and connect a radiator or a boiler.

15:00 **Commissioning and tests** : Adjust the system, measure the values and check that everything works properly.

16:30 **Explaining to the customer** : Show how the system works, hand over the instructions and tidy the workstation.

Pipework and connections | Welding and soldering | Sanitary installation | Heating and heat pumps | Ventilation and air conditioning | Measuring and adjusting | Commissioning | Precision | Technical sense | Service mindset | Teamwork | Reliability

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
- Measuring and checking
- Welding, soldering, joining
- Cutting and bending pipes

Year 2
Technique
- Laying pipes and ducts
- Electrical basics
- Part 1 of the final exam

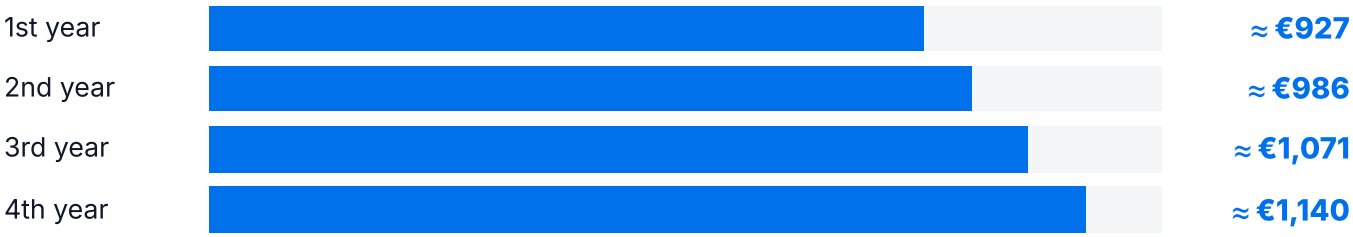
Year 3
Installations
- Heating, sanitary, air con
- Renewable energies
- Commissioning

Year 4 (6 months)
Finishing
- Complete customer orders
- Servicing and diagnosis
- Part 2 of the final exam

Exams and qualification

The final exam (Abschluss- or Gesellenprüfung) has two parts: part 1 takes place before the end of the second year and counts for 30 per cent of the result; part 2, at the end of the training, covers the customer order, planning, system analysis and maintenance, and business and social studies. Certificate issued by the HWK or the IHK depending on the company.

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.
- ✓ The job calls for dexterity, physical fitness to carry heavy components, and ease on ladders and scaffolding; on-call duty is possible.

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 installer

Jobs in building services firms or with a heating and air-conditioning contractor.

WITH EXPERIENCE

Further training

Deepen your skills in pipe fitting or in electrical measurement, control and regulation through courses.

LONGER TERM

Master or degree

Take the master installer and heating engineer's Meister, start your own firm or study building services engineering.

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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