Vocational training in Germany (Ausbildung)

Chemical laboratory technician (Chemielaborant/in)

Chemielaborant / Chemielaborantin

You analyse and make substances in a laboratory: a 3.5-year training, paid from the first year, alternating between the employer and vocational school.

LEVEL	DURATION	GERMAN	PAY DURING TRAINING
Baccalaureate	**3.5 years**	**B2**	**€1,198 to €1,432**
required	42 months	required level	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

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THE OCCUPATION IN 30 SECONDS

What a chemical laboratory technician does

They test organic and inorganic substances, prepare mixtures, develop syntheses and analyse the results, which they record and evaluate on a computer.

Analyse

Test substances using chemical and physical methods, for example with a spectrometer.

Prepare

Make mixtures and preparations, separate and purify substances, optimise a synthesis.

Record

Note how each test went, evaluate measurements on a computer and follow safety rules.

This occupation is for you if…

- ✓ you enjoy chemistry, physics and mathematics
- ✓ you watch closely for changes during an experiment
- ✓ you follow safety and environmental rules without exception
- ✓ you stay focused during long series of tests

Less suitable if…

- – you struggle with chemicals, smells and fumes
- – you have very sensitive skin or airways
- – you are looking for an outdoor or very physical job

A TYPICAL DAY IN THE WORKSHOP

08:00 **Instructions and planning** : The supervisor presents the day's tests; you plan the steps and get the equipment ready.

09:00 **Preparing solutions** : Weigh, measure and prepare solutions, wearing a lab coat, safety glasses and gloves.

10:30 **Synthesising a preparation** : Make a substance by following the steps, then separate and purify it.

13:00 **Analysing a sample** : Measure the quality and quantity of a substance with an analytical instrument.

14:30 **Record and evaluation** : Note the results and evaluate them on a computer using laboratory software.

16:00 **Cleaning and safety** : Clean the instruments, put hazardous products away and follow the storage rules.

Chemical analysis · Spectroscopy · Chromatography · Making preparations · Separating substances · Handling chemicals · Data evaluation · Precision · Patience · Sense of responsibility · Observation · Rigour

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

Laboratory basics

- Safety and hazardous substances
- Sampling and measuring methods
- Instruments and documentation

Year 2

Preparations

- Making preparations
- Separating and purifying substances
- Final exam, part 1

Year 3

Analysis

- Qualitative analysis and titration
- Spectroscopy and chromatography
- Evaluating measurements

Year 4 (6 months)

Final exam

- Chosen options: 6 in total
- Independent laboratory work
- Final exam, part 2

Exams and qualification

The final exam (Abschlussprüfung) has 2 parts held at different times. Part 1 (35% of the mark) takes place before the end of the second year: 2 practical tasks on preparation and characterisation, then a written paper. Part 2 (65%) takes place at the end. You obtain the Abschlusszeugnis (final certificate) of the Chamber of Commerce and Industry (IHK).

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 requires manual precision, good near vision and colour vision, and skin and airways that tolerate chemicals.

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 lab technician

Jobs in chemicals, pharmaceuticals, paints, food, cosmetics, institutes or environmental agencies.

WITH EXPERIENCE

Technician or master

Train as a technician (Techniker) in chemistry, laboratory technology, or as an Industriemeister (industrial master) in chemistry.

LONGER TERM

University studies

If university entry is met, study for example chemistry, biochemistry or chemical 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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