

Certificate Supplement

1. Legally protected title of the qualification

Physiklaborant/Physiklaborantin mit Fähigkeitszeugnis (FZ)

2. Translated title of the qualification

**Physics Laboratory Technician
Diploma of Vocational Education and Training**

3. Profile of skills and competences

Holders of this qualification:

- plan tests according to operational requirements and the order
- design and construct the appropriate experimental arrangements and check their functional capability
- carry out measurements and determine measurement uncertainties
- analyse physical properties
- assess results, document these in a comprehensible manner and present them in a suitable form
- read and write documents in English
- plan and work on projects either as part of a team or on their own
- maintain and service technical facilities and infrastructure.

Holders of this qualification carry out projects and orders in a systematic, cost-effective, environmentally friendly and independent fashion. They are also used to working in a team, are flexible and open to new ideas. They observe the principles of occupational health and safety and environmental protection.

4. Range of occupations accessible to the holder of the qualification

Holders of this qualification are competent, non-academic employees in educational and research centres, industry and trade.

They often carry out their tasks in cooperation with academically trained persons. They are characterised by their in-depth theoretical and practical knowledge, which enables them to put research and development ideas as well as technical testing problems into practice. Their expertise enables them to accelerate R&D and contribute to meaningful results. However, they also make a significant contribution to the maintenance and upkeep of facilities and infrastructures. Their in-depth knowledge makes them competent contacts for guest scientists, employees, project teams and customers.



5. Official basis of the qualification

Name and status of the national authority responsible for issuing the qualification:

- Amt für Berufsbildung und Berufsberatung ABB, Postplatz 2, 9494 Schaan, Liechtenstein
www.abb.llv.li; phone: +423 236 72 00; mail: info.abb@llv.li

Level of the qualification (national or international):

National Qualifications Framework for the VPET system:	Level 5
European Qualifications Framework:	Level 5

Grading scale/Pass requirements:

- 6 = very good
- 5 = good
- 4 = satisfactory
- 3 = unsatisfactory
- 2 = poor
- 1 = unusable

Minimum passing grade: 4

Legal basis of the qualification:

- Verordnung vom 10. September 2014 über die berufliche Grundbildung
Physiklaborant/Physiklaborantin
- Verordnung über den Nationalen Qualifikationsrahmen für Abschlüsse der Berufsbildung vom 27.
August 2014 (RS 412.105.1)

6. Officially recognised ways of acquiring the qualification

Training for the Physics Laboratory Technician, VET Diploma lasts 4 years. Training content is usually distributed across two different learning locations: classroom instruction at a vocational school and apprenticeship training at a host company. However, depending on the VET programme, learners will also attend branch courses at a branch training centre. Professional competences required for the given occupation are decided by the sponsor of the VET programme.

- Host companies provide learners with practical skills associated with the occupation. Learners usually work an average of 3.5 day(s) per week.
- Vocational schools provide classroom instruction in vocational subjects and subjects falling under the category of language, communication and society (LCS). Learners usually attend classes an average of 1.5 day(s) per week; total number of lessons: 2160.
- Branch training centres provide learners with additional skills that are intended to complement classroom instruction and apprenticeship training, total duration of branch courses: 33 days.

The qualification procedure and final examination includes the following:

- Practical project covering 36–120 hours



- (Written and/or verbal) testing of knowledge gained from vocational instruction covering 5 hours

- LCS

- Partial examination covering 8 hours at the end of the 2nd year of training

The calculation of the overall grade takes into account the grades obtained for individual areas of competence and the grades obtained from classroom instruction at the vocational school.

Other equivalent qualification procedures are possible.

National referencing body:

AIBA

This certificate supplement draws its legal basis in Article 4 paragraph 1 of the Ordinance of 27 August 2014 on the National Qualifications Framework for Vocational and Professional Qualifications (NQF-VPQ-O, SR 412.105.1). This certificate supplement follows the model recommended by the European Parliament and Council (Decision No. 2241/2004/EC). The purpose of the certificate supplement is to provide sufficient data to improve the international transparency and fair professional recognition of qualifications (diplomas, certificates etc.). It describes the nature, level, context, content and type of training and education pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. The certificate supplement is free from value judgements, equivalence statements or recommendations on recognition.

Additional information can be found at: www.nqf.li

