

1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Biotechnicus
Kwalificatiedossier: Dierverzorging 3/4

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Bio-technician
Qualification file: Animal care 3/4

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of a Bio-technician are:

Core task 1: Feeds and cares for animals

- 1.1 Prepares feeds
- 1.2 Is responsible for the provision of food and water
- 1.3 Takes care of animals
- 1.4 Monitors animals
- 1.5 Handles animals
- 1.6 Registers and reports

Core task 2: Manages the reproduction

- 2.1 Supervises reproductive process
- 2.2 Supervises birth process
- 2.3 Makes up breeding programme

Core task 3: Takes care of living and working environments

- 3.1 Organises the living accommodation
- 3.2 Cleans and disinfects
- 3.3 Maintains living and working environments

Core task 4: Carries out duties aimed at the public

- 4.1 Provides information and explanations

Core task 5: Carries out laboratory animal working duties

- 5.1 Takes care of laboratory animals
- 5.2 Carries out biotechnical treatments
- 5.3 Formulates work instructions
- 5.4 Instructs and supervises trainees and students in professionally technical areas
- 5.5 Maintains contact with clients

*** Explanatory note**

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://www.europass.cedefop.europa.eu/>

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4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

The Bio-technician works in a company that keeps animals. There are companies that keep animals for semen collection, for rearing, or for the production of animals and/or animal's products. In addition, there are companies that keep animals for recreational, educational, sociocultural and/or therapeutic purposes. Finally, there are companies that keep animals for research purposes.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate The certificate issued on completion of the programme is signed by the examination board at the school where the pupil attended the programme.	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Culture and Science
Level of the certificate (national or international) Qualification level 4 of the Dutch VET qualification structure Characteristics: non-job related skills such as tactical and strategic capacities. The professional bears his or her own responsibility, which is not only related to practical implementation in terms of monitoring and supervision, but also a more formal, organisational responsibility. The range of tasks also includes drafting new procedures. NLQF level 4 - EQF level 4 - ISCED 3A	Grading scale / Pass requirements 10 excellent 9 very good 8 good 7 very satisfactory 6 pass 5 fail 4 unsatisfactory 3 very unsatisfactory 2 poor 1 very poor
Access to next level of education/professions Career opportunities for the specialization of Bio-technician can be found in the higher vocational education programme for Zoologist. Further specializations are usually found in the specialization of the performance of certain biotechnical actions such as anaesthetics and microsurgery.	International agreements The profession of Bio-technician is regulated in the Netherlands under the European directive 2005/36/EC, amended by directive 2013/55/EU.
Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 90140 The education and training for this qualification is offered as of August 1, 2009.	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Senior secondary vocational education features two learning pathways: the school-based pathway (bol) and the training on the job pathway (bbl).

In the school-based pathway, the majority of the course consists of theory at school. The extent of the practical component (vocational practice) is between 20% and 60%. In the training on the job pathway, the extent of vocational practice is at least 60% of the course. The participant works four days a week in a training company, and attends school for theory subjects just one day a week.

In principle it is possible to follow both learning pathways, but which pathway is offered will depend on the individual educational institution.

Average duration of the education/ training leading to the certificate	4 year(s) (6400 study hours) (depending on previous education)
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Entry requirements

The certificate preparatory vocational secondary education (vmbo) advanced vocational programme, combined programme, or theoretical programme, or a comparable level.

7. ADDITIONAL INFORMATION

Dutch senior secondary VET is based on qualification files, that each contain one or more qualifications. The information in section 3 and 4 is drawn directly from the qualification file, that is composed by the Centre of Expertise. The complete qualification file is available at www.kwalificatiesmbo.nl, only in Dutch.

Additional information, including a description of the Dutch national qualifications system, is available at the

7. ADDITIONAL INFORMATION

Netherlands National Reference Point (NRP) for VET: www.nlntp.nl

SBB has been appointed by the Ministry of Education, Culture and Science as NRP.