



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Tandtechnicus/manager kroon- en brugwerk
Kwalificatiedossier: Tandtechniek

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Dental technician/manager crowns and bridges
Qualification file: Dental technology

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of a Dental technician/manager crowns and bridges are:

Core task 1: Carries out basic technical dental duties in order to reproduce the situation in the patient's mouth

- 1.1 Prepares basic technical dental working duties
- 1.2 Makes temporary plaster models
- 1.3 Makes individual impression moulds
- 1.4 Makes permanent plaster models
- 1.5 Makes bite plates and assembles registration equipment
- 1.6 Assembles plaster models in articulator
- 1.7 Inspects and registers basic technical dental equipment

Core task 2: Manufactures solitary crowns with press ceramics

- 1.1 Prepares manufacture solitary press crowns
- 2.2 Models solitary press crowns
- 2.3 Converts mould in press ceramics
- 2.4 Applies tooth-coloured material solitary press crowns
- 2.5 Checks and registers solitary press crowns

Core task 3: Manufactures partial frame prostheses

- 3.1 Prepares the manufacture of partial tooth prostheses
- 3.2 Makes test set-up of partial tooth prostheses and models the frame section
- 3.3 Translates model of the frame section into permanent restoration materials
- 3.4 Sets up and completes the modelling of tooth elements in partial tooth prostheses
- 3.5 Converts arrangement partial frame prostheses into plastic
- 3.6 Inspects, finishes off and polishes synthetic partial tooth prostheses
- 3.7 Repairs partial tooth prostheses
- 3.8 Inspects and registers partial tooth prostheses

Core task 4: Manufactures complete tooth prostheses whether or not on dental implants

- 4.1 Carries out entry controls
- 4.2 Organises technical dental working duties
- 4.3 Prepares the manufacture of crown and bridge work

* 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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3. PROFILE OF SKILLS AND COMPETENCES

- 4.4 Models full, diagnostic or reduced crown and bridge work
- 4.5 Translates models into permanent restoration materials
- 4.6 Makes crown and bridge work using CAD/CAM
- 4.7 Determines the colour by the patient
- 4.8 Places tooth-coloured crown and bridge material
- 4.9 Inspects and registers crown and bridge work

Core task 5: Provides professional skills for the benefit of their business

- 5.1 Makes market analyses
- 5.2 Draws up a marketing plan
- 5.3 Draws up an investment budget and/or finance plan
- 5.4 Draws up an operating and liquidity budget
- 5.5 Attracts potential investors
- 5.6 Organises the business
- 5.7 Promotes and profiles the business
- 5.8 Purchases for the business and manages and monitors stocks
- 5.9 Carries out financial administration
- 5.10 Draws up and issues offers and price quotations
- 5.11 Reflects on the business
- 5.12 Recruits and selects staff
- 5.13 Supervises colleagues

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

The Dental technician/manager crowns and bridges works in an independently established technical dental business or in a business that is part of a collaborative partnership. The business can also be affiliated to a dentist's or a practice for dental prosthetics.

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 <table> <tr><td>10</td><td>excellent</td></tr> <tr><td>9</td><td>very good</td></tr> <tr><td>8</td><td>good</td></tr> <tr><td>7</td><td>very satisfactory</td></tr> <tr><td>6</td><td>pass</td></tr> <tr><td>5</td><td>fail</td></tr> <tr><td>4</td><td>unsatisfactory</td></tr> <tr><td>3</td><td>very unsatisfactory</td></tr> <tr><td>2</td><td>poor</td></tr> <tr><td>1</td><td>very poor</td></tr> </table>	10	excellent	9	very good	8	good	7	very satisfactory	6	pass	5	fail	4	unsatisfactory	3	very unsatisfactory	2	poor	1	very poor
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Access to next level of education/professions The Dental technician/manager crowns and bridges can broaden in the field of dental prostheses. He can do the programme for Dental technician/manager prosthetics.	International agreements The profession of Dental technician/manager crowns and bridges is not regulated in the Netherlands. However the education and training for this profession on qualification level 4 is regulated under the European directive 2005/36/EC, amended by directive 2013/55/EU. The regulated education and training gives access to regulated professions at the level of a diploma according to article 11 of this directive.																				
Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 95233 The education and training for this qualification is offered as of August 1, 2010.																					

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 years (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 <http://kwalificaties.s-bb.nl>, only in Dutch.

Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP) for VET: www.nlnrp.nl

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