

1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Uurwerktechnicus
Kwalificatiedossier: Uurwerktechniek

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Clockwork technician
Qualification file: Clockwork technology

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

Core task 1: Repairs clockworks

- 1.1 Analyses the problem
- 1.2 Plans the working duties
- 1.3 Disassembles and assembles the clockwork
- 1.4 Cleans and replaces parts
- 1.5 Carries out repairs to clocks and watches
- 1.6 Inspects functions and oils parts
- 1.7 Finishes off repair
- 1.8 Prevents crime

Core task 2: As an expert he shapes his entrepreneurship

- 2.1 Does market analyses
- 2.2 Sets up a marketing plan
- 2.3 Sets up an investment budget and/or a financing plan
- 2.4 Sets up an operating budget and liquidity forecast
- 2.5 Interests potential investors
- 2.6 Gives shape to the company
- 2.7 Participates in networks
- 2.8 Promotes and profiles the business
- 2.9 Does purchasing for the company and manages and monitors the stock
- 2.10 Does the financial administration
- 2.11 Sets tenders and proposes them
- 2.12 Reflects on the company

Core task 3: Receives repair tasks

- 3.1 Sets the clockwork correctly
- 3.2 Provides information and advice to the client

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

The clockwork sector in the Netherlands mainly consists of companies with no or only a few employees. The majority of the Clockwork technicians work in a repair shop, more often in combination with a shop selling clockworks. In independent established clockwork companies, the work carried out is usually ordered by private people or by jewellers outsourcing repairs. In case of old or antique clockworks the clockwork companies also

*** 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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carry out working duties commissioned by museums and/or antique dealers. If the Clockwork technician receives paid employment he could be working on a repair shop or service department of an importer or for an independent established clockwork technician, conservator or jeweller.

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>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.</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Culture and Science</p>																				
<p>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-niveau 4 - EQF level 4 - ISCED 3A</p>	<p>Grading scale / Pass requirements</p> <table border="0"> <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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<p>Access to next level of education/professions The Clockwork technician could develop in several directions. He could specialise in the direction of clocks or watches and focus on repairs and restauration of more complex clockworks. He could establish himself as a self-employed entrepreneur or be promoted to managerial position within a company. A Clockwork technician could also start his own shop with a workplace and undergo some further development commercially (for instance as a jeweller or a salesman). Besides this, a Clockwork technician could end up in related precision industry, such as aircraft industry or the manufacture of medical or optical products, often following a company specific training. Quite often there is the option of further education. A possibility is following specialised clockwork courses (such as Wosten). Another possibility is the transfer to higher vocational courses aiming at precision industry techniques – the same as within certain outflows within Mechanical engineering at hbo level.</p>	<p>International agreements Clockwork technician is not a regulated profession 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.</p>																				
<p>Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 25077 The education and training for this qualification is offered as of 01-08-2015.</p>																					

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.

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

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 included in part 3 and 4 is derived directly from the qualification file determined by the Minister of Education, Culture and Science. The complete qualification file can be found at kwalificaties.s-bb.nl, only in Dutch.

Optional subjects are linked to the qualification. The optional subjects have a total size of 15% of the course duration. The optional subjects completed by the student are listed on the certificate.

Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP): www.s-bb.nl. The NRP is the information centre for vocational qualifications in the Netherlands. SBB has been appointed in this capacity by the Ministry of Education, Culture and Science.