



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Uurwerktechnisch designer
Kwalificatiedossier: Uurwerktechniek

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

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

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

Core task 1: Repairs and maintains timepieces

- 1.1 Analyses the problem
- 1.2 Plans and prepares the work
- 1.3 Disassembles and assembles the timepiece
- 1.4 Cleans and replaces timepiece parts
- 1.5 Manufactures timepiece parts
- 1.6 Carries out repairs on the timepiece
- 1.7 Completes the work
- 1.8 Carries out cleaning and tidying tasks

Core task 2: Voert commercieel traject uit

- 2.1 Receives customers and accepts assignments
- 2.2 Advises and informs the customer
- 2.3 Concludes the sale
- 2.4 Contributes to a safe social and physical work environment

Core task 3: Does business as a timepiece designer

- 3.1 Develops a business model
- 3.2 Makes a financial plan
- 3.3 Makes purchases and manages the inventory
- 3.4 Carries out financial administration
- 3.5 Profiles and promotes the company

Core task 4: Designs and develops timepiece parts

- 4.1 Develops a concept
- 4.2 Elaborates the technical concept into a production-ready drawing
- 4.3 Elaborates the design

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

In the Netherlands, the clockmaking industry consists mainly of service workshops and small businesses. The Clockwork designer generally works in a service workshop or a shop where timepieces are sold and repaired and/or maintained, but can also be employed in the service department of an importer, a restorer or jeweller. In independent clockmakers, work is mainly carried out on commission for private individuals or jewellers who

* 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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outsource repairs. In the case of old/antique timepieces, clockmakers also work on behalf of museums and/or antique dealers. The Clockwork designer designs and manufacturers timepieces on commission to a customer.

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-niveau 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 The Clockwork designer can advance to study courses in higher professional education specialising in precision engineering techniques such as specific specialisations within higher professional education Mechanical engineering.	International agreements Clockwork designer 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.
Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 25963 The education and training for this qualification is offered as of 01-08-2024.	

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 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.

7. ADDITIONAL INFORMATION

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.