



## 1. TITLE OF THE CERTIFICATE (NL)

**Diploma Beroepsonderwijs**  
**Kwalificatie: Machinist grondverzetmachines**  
In the original language

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Certificate Senior Secondary Vocational Education**  
**Qualification: Machine operator earth moving**  
This translation has no legal status

## 3. PROFILE OF SKILLS AND COMPETENCES

The Machine operator earth moving independently operates machines for excavation and earth moving operations and earth levelling. The civil and hydraulic engineering sector operates with draglines (excavators), bulldozers, hydraulic excavators (excavators that operate using oil pressure), shovel loaders, graders, scrapers, steamrollers, asphaltting machines, etc. The Machine operator earth moving is responsible for the day-to-day maintenance of these machines and traces minor mechanical disruptions.

In the study programme, the candidate selects one of the following differentiations:

- machine operator dozer
- machine operator dragline
- machine operator excavator loader combination
- machine operator grader
- machine operator earth moving machinery
- machine operator hydraulic excavators
- machine operator wheel shovel loader

The study programme comprises compulsory elements, compulsory elective elements and free elective elements. The compulsory elements are:

- working in the civil and hydraulic engineering sector
- civil engineering skills
- earth moving
- mechanical engineering skills

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

Machine operator earth moving at companies and organisations working on infrastructure such as: roads, railways, canals, bridges, viaducts, dykes, sewer systems, gas and water pipelines, electricity cables, runways and telephone cables.

**\*\_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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#### 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the body awarding the certificate</b> 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><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry of Education, Culture and Science</p>																				
<p><b>Level of the certificate (national or international)</b> Qualification level 3 of the Dutch VET qualification structure Characteristics: implementation of more than just the own block of tasks. The professional is able to account for his or her actions towards colleagues, and monitors and supervises the work of others. The range of tasks also includes drafting work preparation procedures. NLQF level 3 - EQF level 3 - ISCED 3C</p>	<p><b>Grading scale / Pass requirements</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20px;">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><b>Access to next level of education/professions</b> With a diploma at qualification level 3, transfer is possible to a course at qualification level 4. For example to the course of study Middle management mechanical roadbuilding.</p>	<p><b>International agreements</b> Machine operator earth moving is not a regulated profession in the Netherlands. However, the education and training for this profession on qualification level 3 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><b>Legal basis</b> Adult and Vocational Education Act (WEB), registered number of qualification (crebo): 10448</p>																					

#### 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<p>Senior secondary vocational education features two learning pathways: the school-based pathway (bol) and the training on the job pathway (bbi). 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.</p>	
<p><b>Average duration of the education/ training leading to the certificate</b></p>	<p><b>3,5 years (6250 study hours) (depending on previous education)</b></p>
<p><b>Entry requirements</b> The certificate preparatory vocational secondary education (vmbo) advanced vocational programme, combined programme, or theoretical programme, or a comparable level.</p>	

#### 7. ADDITIONAL INFORMATION

<p>Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP): <a href="http://www.s-bb.nl">www.s-bb.nl</a>. 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.</p>
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