



# Europass certificate supplement <sup>(\*)</sup>



## 1. Title of the certificate <sup>(1)</sup>

**Kart og oppmåling**

<sup>(1)</sup> In the original language

## 2. Translated title of the certificate <sup>(1)</sup>

**Cartography and surveying**

<sup>(1)</sup> If applicable. This translation has no legal status.

## 3. Profile of skills and competences

The holder of this document has the competence to work as a surveyor, map designer or cartographer. S/he

- is familiar with the principles behind and the structure of relevant equipment and is capable of checking and maintaining the equipment
- is capable of measuring and setting out points using land surveying equipment (levelling telescope, total stations, GPS etc.)
- knows the principle of the structure of digital maps and is capable of editing them
- is qualified to use GIS software and keep geodata databases up to date
- is qualified to present maps on paper and screen
- is qualified to draw up the basis for aerial photography (placing pass points and making flight plans)
- is capable of inventing points in aerial photographs
- is capable of constructing maps based on aerial photographs using stereo instruments
- masters ICT and relevant software in day-to-day work
- is familiar with the importance of the trade to society
- is capable of adapting to development in the trade

The final training comprises the modules:

Fixed module: 1: Mathematics.

Two of the modules: 2: Surveying, 3: Cartography, or 4: Photogrammetry depending on the school's programme.

The holder of this document also has skills on the upper secondary school level in Norwegian, English, mathematics, natural science, social studies and physical education. Adult students may in some cases be exempted from the requirement for these common-core general studies subjects.

## 4. Range of occupations accessible to the holder of the certificate <sup>(1)</sup>

Vocational skills in cartography and surveying

<sup>(1)</sup> If applicable

### <sup>(1)</sup> 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 available at: <http://europass.cedefop.eu.int>

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5. Official basis of the certificate	
<p><b>Name and status of the body awarding the certificate</b> The certificate is issued by the head of the school where the pupil has received his/her training.</p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> The Royal Norwegian Ministry of Education and Research</p>
<p><b>Level of the certificate (national or international)</b> No certificate levels are used in Norway. The education/training corresponds to completed upper secondary education</p>	<p><b>Grading scale / Pass requirements</b> The grading scale is as follows: 6 – 5 - 4 - 3 - 2 – 1 - 0. Grade 6 is the best grade. Grades 2 - 6 are passing grades. Subjects with both examination grades and overall achievement grades have been passed when the examination grade is 2 or better. "Exempted" may be used instead of numeral grades in some subjects. This means that the pupil/external candidate has previously passed corresponding or more comprehensive training in the subject. Adults may also have their attained competence assessed instead of receiving a numeral grade. The assessment "Approved" equals a passing grade.</p>
<p><b>Access to next level of education/training</b> The training/education together with further instruction in general studies subjects qualifies the candidate for admission to higher education</p>	<p><b>International agreements</b></p>
<p><b>Legal basis</b> Act dated 17 July 1998 no 61: Act relating to Primary and Secondary Education (The Education Act), Regulations dated 28 June 1999 no 722: Regulations relating to the Education Act, and the General Curriculum (with subject syllabuses) for Upper Secondary Education</p>	

6. Officially recognised ways of acquiring the certificate		
<b>Description of vocational education and training received</b>	<b>Percentage of total programme (%)</b>	<b>Duration (hours/weeks/months/years)</b>
School-/training centre-based	100	105 weeks
Workplace-based	0	
Accredited prior learning		
<b>Total duration of the education/ training leading to the certificate</b>		3 years
<b>Entry requirements</b>		
<b>Additional information</b>		
The three years of training take place in a school/training centre. This comprises a total of 21 periods per week in general studies subjects, 78 periods per week in specialised subjects and six periods per week in elective subjects. Adult students may in some cases be exempted from the requirement for the general studies subjects.		
<b>More information (including a description of the national qualifications system) available at:</b>		
www.nonrp.no		
<b>National reference point</b>		
www.nonrp.no		