



# Europass certificate supplement (\*)



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

**Produksjonselektronikerfaget**

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

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

**Production electronics technician**

<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 in the electronics industry on the production and prototype manufacturing of electronic devices and components. S/he

- is qualified to produce mechanical and electronic components in devices and equipment with ancillary cabling and termination
- is qualified to carry out tuning and testing of products
- is able to carry out this work in a proper manner bearing in mind health, safety and the environment

The final on-the-job training in a company comprises the modules 1: Use and maintenance of automated production equipment, 2: Installing circuit boards, 3: Soldering/brazing electronic components, 4: Prototype fabrication, 5: Programmable logic circuits, 6: Test, 7: Documentation and products, 8: Components, 9: Mechanical work, 10: Business studies.

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>

Craft certificate as a production electronics technician

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

### <sup>(\*)</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>

© European Communities 2002

5. Official basis of the certificate	
<b>Name and status of the body awarding the certificate</b> Craft certificate issued by the county administration through the Vocational Training Board	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> The Royal Norwegian Ministry of Education and Research
<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	<b>Grading scale / Pass requirements</b> Passed with distinction, Passed, Failed
<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	<b>International agreements</b>
<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	

6. Officially recognised ways of acquiring the certificate		
Description of vocational education and training received	Percentage of total programme (%)	Duration (hours/weeks/months/years)
School-/training centre-based	50	2 years
Workplace-based	50	2 years
Accredited prior learning		
<b>Total duration of the education/ training leading to the certificate</b>		4 years
<b>Entry requirements</b>		
<b>Additional information</b> The first two years of the training take place in a school/training centre. This comprises a total of 19 periods per week in general studies subjects, 47 periods per week in specialised subjects and four periods per week in elective subjects. This is followed by one year of training in a school, and finally six months value creation in a company. 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> <a href="http://www.nonrp.no">www.nonrp.no</a>		
<b>National reference point</b> <a href="http://www.nonrp.no">www.nonrp.no</a>		