



AMMATTIKORKEAKOULU
University of Applied Sciences

DEGREE CERTIFICATE

Nro [REDACTED]

Kimberly Laney Ruohio

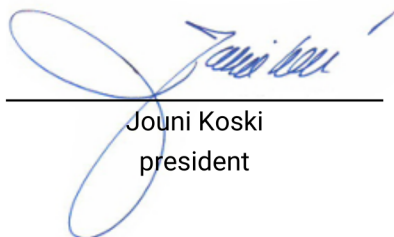
has completed

**Liiketalouden ammattikorkeakoulututkinto
a Bachelor's Degree in Business Administration**

in Degree Programme in Business Information Technology with grades as shown in the attachment to this Certificate and is entitled to use the degree title

TRADENOMI (AMK), BACHELOR OF BUSINESS ADMINISTRATION

Vantaa 13th May 2024


Jouni Koski
president




Katri Ojasalo
vice president

Student	Kimberly Laney Ruohio	Graduated	13.5.2024
Personal Identity Code		Credits	210 cr
Student number		Completed	211 cr
Programme	Degree Programme in Business Information Technology	Average	4.69

Studies	Credits	Assessment
---------	---------	------------

CORE COMPETENCE 155 CR

BUSINESS OPERATIONS 35 CR

Business Processes	10 cr	k1 H
Understanding Customer Behaviour	5 cr	k2 3
Business Environment in a Global Economy	5 cr	k3 4
Profitable Business 1	5 cr	k2 3

Language and Communication Skills 10 CR

Introduction to Finnish Language and Culture 1	5 cr	5
Finnish for Foreigners 2	5 cr	s1 H
Initial Test in Swedish		v1
Swedish for Bachelors of Business Administration		v2
Oral skills in Swedish		v3
Written skills in Swedish		v4

COMPETENCE IN ICT 30 CR

The ICT Environment and Infrastructure	5 cr	5
Foundations of Web Development	5 cr	5
Fundamentals of Programming	5 cr	k4 H
Information Management and Databases	5 cr	5
Data Networks and Information Security	5 cr	5
Professional Communication Skills	5 cr	k1 H

SUSTAINABILITY AND BUSINESS ANALYSIS 30 CR

Service Design	10 cr	5
Corporate Social Responsibility	5 cr	5
Digital Service Business and Marketing	10 cr	5
Data-driven Decision Making	5 cr	4

Student	Kimberly Laney Ruohio	Graduated	13.5.2024
Personal Identity Code	■■■■■	Credits	210 cr
Student number	■■■■■	Completed	211 cr
Programme	Degree Programme in Business Information Technology	Average	4.69

EXPERT IN A WORK COMMUNITY
30 CR

Placement 1	15 cr	H
Placement 2	15 cr	H

EXPERT IN DEVELOPMENT AND WORKPLACE INNOVATION
30 CR

Project Management and Communication	5 cr	k1 H
Research and Development Methods	5 cr	4
Bachelor's Thesis	15 cr	5

From a Student to a Professional
5 CR

Study Skills and Professional Orientation	2 cr	H
Professional Development	2 cr	H
Starting a Successful Career	1 cr	H

COMPLEMENTARY COMPETENCE
56 CR
**COMPLEMENTARY COMPETENCE STUDIES RELATED TO THE FIELD 49 CR
OF STUDY**
DESIGN OF APPLICATIONS
15 CR

Defining and Designing a Software Product	5 cr	4
Introduction to Mobile App Design and Development	5 cr	5
Modelling of the Digital Service	5 cr	5

APPLICATION DEVELOPMENT
29 CR

Dynamic Web Applications with Javascript	5 cr	5
Introduction to Scala	3 cr	s2 H
PHP Programming	3 cr	s3 H
React.js Fundamentals	3 cr	s4 H
Cloud Services	4 cr	s5 5
NodeJS	3 cr	s6 H
Full Stack Development	5 cr	5
Basics of Programming with C++	3 cr	H

Student	Kimberly Laney Ruohio	Graduated	13.5.2024
Personal Identity Code	██████	Credits	210 cr
Student number	██████	Completed	211 cr
Programme	Degree Programme in Business Information Technology	Average	4.69

TESTING AND QUALITY ASSURANCE**5 CR**

Fundamentals of Software Testing

5 cr

5

OTHER COMPLEMENTARY COMPETENCES**7 CR**

Nokia Student Network Hackathon

2 cr

H

Digital Marketing & Sales Plan Project

5 cr

5

Thesis**Title:** The New Onboarding Experience – A Case Study of Nordic Sales Crew Oy**Assessment:** 5**Assessment Date:** Apr 11, 2024**Compensated studies**

- k1 = Studies at another University of Applied Sciences, 16.12.2008, Arcada University of Applied Sciences
- k2 = Studies at another University of Applied Sciences, 11.12.2008, Arcada University of Applied Sciences
- k3 = Studies at another University of Applied Sciences, 10.6.2009, Arcada University of Applied Sciences
- k4 = Studies at another University of Applied Sciences, 24.8.2020, Metropolia University of Applied Sciences

Inclusions

- s1 = Finnish for Foreigners 2, 26.4.2022, Metropolia University of Applied Sciences
- s2 = Introduction to Scala, 11.7.2023, Metropolia University of Applied Sciences
- s3 = PHP Programming, 12.7.2023, Metropolia University of Applied Sciences
- s4 = React.js Fundamentals, 22.6.2022, Metropolia University of Applied Sciences
- s5 = Cloud Services, 31.10.2021, HAMK University of Applied Sciences
- s6 = NodeJS, 4.7.2022, Metropolia University of Applied Sciences



Student	Kimberly Laney Ruohio	Graduated	13.5.2024
Personal Identity Code	■■■■■■■■■■	Credits	210 cr
Student number	■■■■■■■■■■	Completed	211 cr
Programme	Degree Programme in Business Information Technology	Average	4.69

Exemptions

v1 Reason for exemption: Basic schooling in some other language than Finnish/Swedish

v2 Reason for exemption: Basic schooling in some other language than Finnish/Swedish

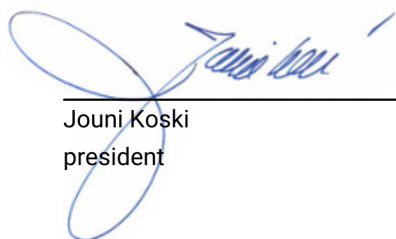
v3 Reason for exemption: Basic schooling in some other language than Finnish/Swedish

v4 Reason for exemption: Basic schooling in some other language than Finnish/Swedish

The degree has been completed in English. The graduate's previous education was completed in other than Finnish or Swedish. The graduate has completed a maturity test in English as part of the thesis. The graduate has received a special exemption from the requirements regarding the second national language (Swedish) set in Section 7, 1 of Decree 1129/2014. The graduate has gained the necessary oral and written skills in English required for practising the profession and for further professional development (Decree 1129/2014, 7 §, 2).

Studies have been completed in English.

Vantaa 13.5.2024



Jouni Koski
president

This document is electronically signed. The authenticity of the document can be verified from the original file and at <https://www.laurea.fi/en/authenticity/> or at the website of Digital and population data services agency <https://dvv.fineid.fi/en/validation>



The purpose of the Diploma Supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO.

1 INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1	Last name(s)	Ruohio
1.2	First name(s)	Kimberly Laney
1.3	Date of birth (day.month.year)	
1.4	Student identification number or code (if available)	

2 INFORMATION IDENTIFYING THE QUALIFICATION

2.1	Name of qualification and (if applicable) title conferred (in original language)	Liiketalouden ammattikorkeakoulututkinto, Business Administration Tradenomi (AMK), Bachelor of Business Administration
2.2	Main field(s) of study for the qualification	Degree Programme in Business Information Technology
2.3	Name and status of awarding institution (in original language)	Laurea-ammattikorkeakoulu (Laurea University of Applied Sciences), state recognised university of applied sciences. The quality assurance system of the university of applied sciences has passed the audit conducted by the Finnish Education Evaluation Centre. Further information: www.karvi.fi
2.4	Name and status of institution (if different from 2.3) administering studies	Not applicable
2.5	Language(s) of instruction/examination	English

3 INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1	Level of qualification	First-cycle higher education degree (bachelor level). The degree is on level 6 in the National and the European Qualifications Framework.
3.2	Official duration of programme in credits and/or years	The degree consists of 210 credits (3,5 years of full-time study) Finnish credits are fully compatible with the ECTS.
3.3	Access requirement(s)	See 8. There is numerus clausus, i.e. restricted entry, to all fields of study.

4 INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1	Mode of study	Full-time
4.2	Programme learning outcomes	<p>See 8 and Transcript of Records.</p> <p>Structure of studies leading to a first cycle university of applied sciences degree: The studies consist of basic, professional and optional studies, practical training, advanced professional studies, Bachelor's Thesis (15 credits) and the maturity test. The general aim of studies leading to a first cycle university of applied sciences degree is to provide the student with:</p> <ol style="list-style-type: none"> 1) extensive practical basic skills and knowledge and theoretical foundations of these to provide proficiency to operate in expert positions in the field 2) prerequisites for keeping up with and promoting developments in the field 3) a capability for continuous learning 4) sufficient communication and language skills 5) a capability to engage in international activities within the field.
4.3	Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained	See Transcript of Records
4.4	Grading scheme and, if available, grade distribution guidance	<p>5 = Excellent</p> <p>4 = Good</p>

3 = Good
2 = Satisfactory
1 = Satisfactory
HYV = Passed

4.5 Overall classification of the qualification (in original language) Not applicable

5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION

- 5.1 Access to further study** Eligible for second-cycle higher education studies. The admissions decisions are made in the receiving higher education institution.
- 5.2 Access to a regulated profession (if applicable)** Under the Finnish legislation, a person who has taken Tradenomi (AMK) is qualified for posts or positions in the public sector for which the qualification requirement is a first-cycle higher education degree. In some cases, the qualification requirement also includes the completion of studies in certain specified fields of study.
- The degree falls under the Article 11 of the Directive 2005/36/EC of the European Parliament and of the Council on the recognition of professional qualifications, level d.

6 ADDITIONAL INFORMATION

6.1 Additional information

Laurea University of Applied Sciences has been awarded the Diploma Supplement Label for the academic years 2004 - 2007, 2009 - 2013 and 2013 - 2016.

6.2 Further information sources

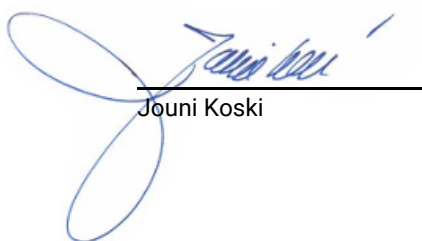
Laurea-ammattikorkeakoulu, Laurea University of Applied Sciences, Ratatie 22, 01300 Vantaa, Finland
Tel. +358 9 8868 7150, Email: studentaffairs@laurea.fi, www.laurea.fi
www.minedu.fi, Ministry of Education and Culture
www.oph.fi/recognition,
www.oph.fi/qualificationsframework
The Finnish National Agency of Education, the ENIC: European Network of Information Centres in the European Region, and NARIC: National Academic Recognition Information Centres in the European Union, and the National Coordination Point for the European Qualifications Framework (EQF)
www.karvi.fi, The Finnish Education Evaluation Centre

7 CERTIFICATION OF THE SUPPLEMENT

7.1 Date

Vantaa 13.5.2024

7.2 Signature



Jouni Koski

Tämä dokumentti on sähköisesti allekirjoitettu ja sen aitouden voi todentaa alkuperäisestä tiedostosta.
Varmentaminen on mahdollista osoitteessa <https://www.laurea.fi/varmennus/> tai Digi- ja väestötietoviraston palvelussa osoitteessa <https://dvv.fineid.fi/validation>

7.3 Capacity

President

7.4 Official stamp or seal



8 INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

The description of the higher education system has been prepared by the Finnish National Agency of Education and approved by the Ministry of Education and Culture.

The Finnish education system consists of pre-primary and basic education, general and vocational upper secondary education, higher education and adult education. The compulsory schooling consists of one-year pre-primary education for 6-year-olds and nine-year basic education for children aged 7-16.

Post-compulsory education is given by general upper secondary schools and vocational institutions. The general upper secondary school provides a three-year general education curriculum, at the end of which the pupil takes the national Matriculation examination (*ylioppilastutkinto/studentexamen*). Vocational institutions provide three-year programmes, which lead to upper secondary vocational qualifications (*ammattilinen perustutkinto/yrkesinriktad grundexamen*).

General eligibility for higher education is given by the Matriculation examination, upper secondary vocational qualifications, further vocational qualifications and specialist vocational qualifications.

A foreign qualification that gives eligibility for higher education in the system the qualification belongs to, gives general eligibility for higher education also in Finland.

HIGHER EDUCATION SYSTEM IN FINLAND

The Finnish higher education system comprises universities (*yliopisto/universitet*) and universities of applied sciences (*ammattikorkeakoulu, AMK/yrkeshögskola, YH*). The universities engage both in education and research and have the right to award doctorates. The universities of applied sciences are multi-field institutions of professional higher education. Universities of applied sciences engage in applied research and development.

First and second cycle higher education studies are measured in credits (*opintopiste/studiepoäng*). Study courses are quantified according to the work load required. One year of full-time study is equivalent to 1600 hours of student work on average and is defined as 60 credits. The credit system complies with the European Credit Transfer and Accumulation System (ECTS).

Higher education qualifications in Finland are referenced at levels 6, 7 and 8 both in the National Qualifications Framework as well as in the European Qualifications Framework.

8.1. UNIVERSITY DEGREES

The Government Decree on University Degrees and Specialisation Studies (794/2004 including amendments) defines the objectives, extent and overall structure of degrees. The universities decide on the detailed contents and structure of the degrees they award. They also decide on their curricula and forms of instruction.

8.1.1. First cycle university degree

The first cycle university degree consists of at least 180 credits (three years of full-time study). The degree is called *kandidaatti/kandidat* in all fields of study except for Law (*oikeusnotaari/rättsnotarie*) and Pharmacy (*farmaseutti/farmaceut*). The determined English translation for all of these degrees is Bachelor's degree, the most common degree titles being Bachelor of Arts and Bachelor of Science.

Studies leading to the degree provide the student with: (1) knowledge of the fundamentals of the major and minor subjects or corresponding study entities or studies included in the degree programme and the prerequisites for following developments in the field, (2) knowledge and skills needed for scientific thinking and the use of scientific methods or knowledge and skills needed for artistic work, (3) knowledge and skills needed for studies leading to a higher university degree and for life-long learning, (4) a capacity for applying the acquired knowledge and skills to work and in international co-operation, and (5) adequate language and communication skills for working in one's own field and for international work and co-operation.

Studies leading to the degree may include: basic and intermediate studies; language and communication studies, interdisciplinary programmes, and other studies and work practice for professional development. The degree includes a Bachelor's thesis (6 – 10 credits).

8.1.2. Second cycle university degree

The second cycle university degree consists of at least 120 credits (two years of full-time study). The degree is usually called *maisteri/magister*. Other second cycle degree titles are *diplomi-insinööri/diplomingenjör* (Technology), *proviisori/provisor* (Pharmacy) and *arkkitehti/arkitekt* (Architecture). The determined English translation for all these degrees is Master's degree, the most common degree titles being Master of Arts and Master of Science. The second cycle university degree title in the fields of Medicine, Veterinary Medicine and Dentistry is *lisansiaatti/licentiat*, the English title being Licentiate. The admission requirement for the second cycle university degree is a first cycle degree.

In the fields of Medicine and Dentistry the university may arrange the education leading to the second cycle university degree without including a first cycle university degree in the education. In Medicine the degree consists of 360 credits (six years of full-time study) and in Dentistry the degree consists of 330 credits (five and a half years of full-time study).

Studies leading to the second cycle university degree provide the student with: (1) good overall knowledge of the major subject or a corresponding entity and conversance with the fundamentals of the minor subject or good knowledge of the advanced studies included in the degree programme; (2) knowledge and skills needed to apply scientific knowledge and scientific methods or knowledge and skills needed for independent and demanding artistic work; (3) knowledge and skills needed for independently operating as an expert and developer of the field and for international co-operation; (4) knowledge and skills needed for scientific or artistic postgraduate education and for life-long learning; and (5) good language and communication skills for working in one's own field and for international work and co-operation.

The studies leading to the second cycle university degree may include: basic and intermediate studies and advanced studies, language and communication studies; interdisciplinary studies, other studies, and internship improving expertise. The degree includes a Master's thesis (20 – 40 credits).

8.2. DOCTORAL DEGREES

Students can apply for doctoral studies after the completion of a second cycle degree. The aim of doctoral studies is to provide student with an in-depth knowledge of their field of research and capabilities to produce novel scientific knowledge independently.

The degree of *lisensiaatti/licentiat* (Licentiate) may be taken before the Doctor's degree and in general it takes two years of full-time study to complete.

The Doctor's degree takes approximately four years to complete after a second cycle degree and two years when completed after a Licentiate's degree. A student who has been admitted to complete the Doctor's degree must complete a given amount of studies, show independent and critical thinking in the field of research and write a Doctor's dissertation and defend it in public.

8.3. UNIVERSITY OF APPLIED SCIENCES DEGREES

The Universities of Applied Sciences Act (932/2014 including amendments) defines the objectives, extent and overall structure of universities of applied sciences degrees. The universities of applied sciences decide on the detailed contents and structure of the degrees they award. They also decide on their curricula and forms of instruction.

8.3.1. First cycle university of applied sciences degrees

The first cycle university of applied sciences degree consists of 180, 210, 240 or 270 credits (three to four and a half years of full-time study) depending on the field of study. The first cycle university of applied sciences degree is called *ammattikorkeakoulututkinto/yrkeshögskoleexamen*. The determined English translation for the degree is Bachelor's degree. The degree titles indicate the field of study, e.g. Bachelor of Engineering and Bachelor of Health Care.

Studies leading to the degree provide the student with: (1) broad overall knowledge and skills with relevant theoretical background for working as expert of the field, (2) knowledge and skills needed for following and advancing developments in the field, (3) knowledge and skills needed for professional development and life-long learning, and (4) adequate language and communication skills for working in one's own field and for international work and co-operation.

The first cycle university of applied sciences degree comprises basic and professional studies, elective studies, a practical training period, and a final project.

8.3.2. The second cycle university of applied sciences degrees

The second cycle university of applied sciences degree consists of 60 or 90 credits (a year or a year and a half of full-time study). The degree is called *ylempi ammattikorkeakoulututkinto/högre yrkeshögskoleexamen*. The determined English translation for the degree is Master's degree. The degree titles indicate the field of study, e.g. Master of Culture and Arts or Master of Business Administration. Eligibility for second cycle university of applied sciences degrees is given by a relevant first cycle degree together with at least two years of relevant work or artistic experience.

Studies leading to the degree provide the student with: (1) broad and advanced knowledge and skills for developing the professional field as well as the theoretical skills for working in demanding expert and leadership positions in the field, (2) profound understanding of the field, its relation to working life and society at large as well as the knowledge and skills needed for following and analysing both theoretical and professional developments in the field, (3) capacity for life-long learning and continuous development of one's own expertise, and (4) good language and communication skills for working in one's own field and for international work and co-operation.

The second cycle university of applied sciences degree comprises advanced professional studies, elective studies, and a final project.

8.4. PROFESSIONAL SPECIALISATION PROGRAMMES

Universities and universities of applied sciences offer professional specialisation programmes for those who have completed a degree and have already entered working life. Professional specialisation programmes aim to promote professional development and specialisation by means of providing education based on the research.

Provisions on the joint objectives and minimum scope of professional specialisation programmes are issued by government decree. The minimum scope of professional specialisation studies is 30 credits.



INFORMATION ABOUT THE (EUROPASS) DIPLOMA SUPPLEMENT

The Europass Diploma Supplement is an appendix to higher education diplomas for use in international contexts. It includes additional information about the qualification completed for purposes such as employment and further studies. In Finland, all higher education institutions issue Diploma Supplements automatically to all graduates.

The Europass Diploma Supplement includes additional information about your studies and qualification, the level of your qualification and the competence that it provides to access further study and employment. It also provides information about the higher education institution that awarded the qualification and the education system in the country where it was awarded.

The Europass Diploma Supplement is a document developed jointly by the EU, the Council of Europe and UNESCO. The Europass Diploma Supplement is a personal document and it is not a substitute for the original diploma: it is always presented in parallel with the original diploma.

Further information is available from your higher education institution and on the Europass website at: www.europass.fi

RECOGNITION OF FINNISH QUALIFICATIONS ABROAD

The international principle for recognition of qualifications is that the receiving party makes an interpretation of the level of a foreign qualification and the qualifications that it provides. The Diploma Supplement does not automatically guarantee recognition of the qualification, but it helps by providing additional information about the qualification.

Finns leaving for another country in search of work are advised to check in advance with the target country's authorities about the qualifications recognition procedures in place in that country and the types of documents that they will require.

OTHER EUROPASS DOCUMENTS

Europass is a portfolio of documents open to anyone who needs a structured way of diversely presenting their skills and competences. Europass supports internationalisation and mobility both at home and abroad.

Europass consists of different documents that user is able to compile into an entity that serves his or her needs best. When you need an electronic portfolio of your skills, you can use the European Skills Passport that is a part of the Europass.

EUROPASS CONSISTS OF E.G. THE FOLLOWING DOCUMENTS:

- Europass CV
- Europass Language Passport
- Europass Certificate Supplement
- Europass Diploma Supplement
- Europass Mobility

FURTHER INFORMATION AND DOCUMENTATION:

Finnish National Europass Centre
Finnish National Agency for Education
www.europass.fi



Tietoja (Europass) Diploma Supplement -liitteestä

Korkeakoulututkintotodistuksen liite (Diploma Supplement) on kansainväliseen käyttöön tarkoitettu asiakirja. Se antaa lisätietoja suoritetusta tutkinnosta esimerkiksi työelämää ja jatko-opintoja varten. Suomessa kaikki korkeakoulut antavat Diploma Supplementin automaattisesti kaikille valmistuville. Diploma Supplement -liitteessä on tietoja suoritetuista opinnoista, tutkinnosta, tutkinnon tasosta ja sen tuottamasta kelpoisuudesta jatko-opinnoissa ja työelämässä. Liitteessä on myös tietoa tutkinnon myöntäneestä korkeakoulusta sekä koulutusjärjestelmästä maassa, jossa tutkintotodistus on myönnetty.

Diploma Supplement -liite on EU:n, Euroopan neuvoston ja Unescon yhteisesti suunnittelema asiakirja. Diploma Supplement -liite on henkilökohtainen eikä se korvaa alkuperäistä tutkintotodistusta: asiakirja esitetään aina yhdessä tutkintotodistuksen kanssa.

Lisätietoja asiakirjasta saat korkeakoulustasi ja www-sivuilta: www.europass.fi

Suomalaisten tutkintojen tunnustaminen ulkomailla

Kansainvälinen periaate tutkintojen tunnustamisessa on, että vastaanottava taho tekee tulkinnan ulkomaisen tutkinnon tasosta ja sen antamasta kelpoisuudesta. Diploma Supplement -liite ei takaa tutkinnon tunnustamista, mutta se toimii apuna antamalla lisätietoja tutkinnosta.

Ulkomaille työnhakuun lähtevän suomalaisen kannattaa etukäteen selvittää kohdemaan viranomaisilta, millainen tutkinnon tunnustamismenettely kyseisessä maassa on ja mitä asiakirjoja tunnustamista varten tarvitaan.

Europassin muut asiakirjat

Europassi on kaikille avoin asiakirjakokonaisuus, jota voi käyttää monipuolisesti osaamisen ja taitojen jäsentämiseen. Europassi tukee kansainvälistymistä ja liikkuvuutta sekä kotimaassa että ulkomailla.

Europassi muodostuu useasta asiakirjasta, joista voit koota tarvitsemasi kokonaisuuden. Kun tarvitset sähköistä portfolioa, voit ottaa käyttöösi Europassiin kuuluvan European Skills Passportin.

Europassiin kuuluu mm:

- Europass-ansioluettelo
- Europass-kielipassi
- Ammatillisen tutkintotodistuksen liite
- Korkeakoulututkintotodistuksen liite eli Diploma Supplement
- Europass-liikkuvuustodistus

Lisätietoa ja asiakirjat:

Suomen Europass-keskus
Opetushallitus
www.europass.fi