Talonpojankatu 2
FIN - 67100 KOKKOLA, FINLAND

01.01.2013

Student **0602294 Wiivi Maria Talonpoika** **000000-000K**

Degree programme **Degree Programme in Wood Technology (in Finnish)** **240,00 cr**
Option **Manufacturing Technology of Wood Products**

Total **242,00 cr**

Study modules and study course	Credit	Mark	
BASIC STUDIES	**64,00 cr**		
COMMON STUDIES	**23,00 cr**		
Information Literacy	2,00 cr	S	passed
Oral and Written Communication (Finnish)	3,00 cr	S	passed
Basic Course in Computing	3,00 cr	5	excellent
Research and reporting	1,50 cr	S	passed
Orientation to Studies	1,50 cr	S	passed
Entrepreneurship	3,00 cr	3	good
Communication Skills (English Course)	3,00 cr	3	good
Second Official Language (Swedish)	3,00 cr	2	satisfactory
Communication Skills - Advanced Course	3,00 cr	S	passed
COMMON STUDIES (TECHNOLOGY)	**41,00 cr**		
Algebra	4,50 cr	5	excellent
Basic Course in Mechanics	3,00 cr	5	excellent
Geometry and Trigonometry	4,50 cr	5	excellent
Analysis	4,50 cr	5	excellent
Waves and Oscillations	3,00 cr	5	excellent
Technical Mathematics	3,00 cr	3	good
Programming Essentials	3,00 cr	3	good
Electromagnetism	3,00 cr	4	good
Chemistry	3,00 cr	3	good
Thermophysics	1,50 cr	4	good
English for Wood Technology	3,00 cr	3	good
Coaching for Leadership	3,00 cr	4	good
Human Resources	2,00 cr	4	good
PROFESSIONAL STUDIES	**115,00 cr**		
COMPULSORY PROFESSIONAL STUDIES	**100,00 cr**		
Wood Materials	1,50 cr	3	good
Technical Drawing	4,50 cr	3	good
Basic Product Development	3,00 cr	3	good
Woodworking Technology	3,00 cr	4	good
NC-Technology	3,00 cr	5	excellent
Basic Course in Manufacturing Technology	1,50 cr	3	good
Marketing of Wooden Products 1	3,00 cr	3	good
Wooden Product Design and Scale Modelling	4,00 cr	5	excellent
3-D Modelling	3,00 cr	S	passed
Strengt of Materials	3,00 cr	3	good
Basics of Automation Technology	3,00 cr	S	passed
Automation Technology Applications	3,00 cr	4	good
Pneumatics and Hydraulics	3,00 cr	3	good
Chemistry for Wood Industry	3,00 cr	4	good
Gluing Wood	3,00 cr	4	good
Surface Treatment and Wood Protection	4,50 cr	4	good
Wood Science and Technology	4,00 cr	3	good
Drying of Wood and By-Product Energy Use	4,50 cr	3	good
Tooling Technology	3,00 cr	3	good

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Study modules and study course	Credit	Mark	
Production Control	3,00 cr	4	good
Business Information Systems	3,00 cr	3	good
Statistical Mathematics	3,00 cr	4	good
Business Logistics	1,50 cr	4	good
Business Law	2,00 cr	3	good
Accounting 1	1,50 cr	3	good
Accounting 2	3,00 cr	4	good
Commercial Mathematics	3,00 cr	3	good
Project Management	3,00 cr	4	good
Manufacturing Processes for Mechanical Wood Processing Industry	3,00 cr	3	good
Wood Industry and Macroeconomics	2,00 cr	3	good
Quality Management	4,00 cr	3	good
Furniture and Cabinet Design	3,00 cr	5	excellent
Basic Statics	1,50 cr	4	good
Forestry	3,00 cr	2	satisfactory
ALTERNATIVE PROFESSIONAL STUDIES	**15,00 cr**		
PRODUCT DESIGN	**15,00 cr**		
Design with Engineering	3,00 cr	S	passed
Interior Design	3,00 cr	S	passed
3D- Furniture Design	3,00 cr	3	good
Advanced Manufacturing	3,00 cr	3	good
Flexible manufacturing systems in wood industry	3,00 cr	S	passed
OPTIONAL STUDIES	**18,00 cr**		
German 1	3,00 cr	3	good
Russian 1	5,00 cr	4	good
Automatization Project	10,00 cr	4	good
Bachelor's Thesis			
Introduction of the Xxxxxxxx Planning System	15,00 cr	3	good
Work Placement			
Practical Training	30,00 cr	S	passed
Work Placement in communities and in Organisations	30,00 cr		

Ylivieska 1 January 2013

Wille Malli
Head of Degree Programme

DIPLOMA SUPPLEMENT

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of this 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 should be free of any value judgements, equivalence statements or suggestions about recognition. Information should be provided in all eight sections. Where information is not provided, a reason should be given.

1 INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1	Family name(s)	*Talonpoika*
1.2	Given name(s)	*Wiivi Maria*
1.3	Date of birth	*000000-000K*
1.4	Student identification number or code	*0602294*

2 INFORMATION IDENTIFYING THE QUALIFICATION

2.1	Name of qualification and title conferred	*Tekniikan ammattikorkeakoulututkinto* *Insinööri (AMK), Bachelor of Engineering*
2.2	Main field(s) of study for the qualification	*Technology, Communications and Transport* *Degree Programme in Wood Technology* *Manufacturing Technology of Wood Products*
2.3	Name and status of awarding institution	*Centria ammattikorkeakoulu* *Centria yrkeshögskola* *(Centria University of Applied Sciences)* *State recognized polytechnic in Finland, Decree on Higher Education Degree Structure 464/1998, as amended.* *Formerly Keski-Pohjanmaan ammattikorkeakoulu / Mellersta Österbottens yrkeshögskola (Central Ostrobothnia University of Applied Sciences).* *The quality assurance system of Centria University of Applied Sciences has passed the audit conducted by the Finnish Higher Education Evaluation Council. Further information: www.kka.fi.*
2.4	Name and status of institution administering studies	*Not applicable*
2.5	Language(s) of instruction/examination	*Finnish*

3 INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1	Level of qualification	*First-cycle polytechnic degree.* *See 8.*
3.2	Official length of programme	*The degree consists of 240 credits (4 years of full-time study). Finnish credits are fully compatible with the ECTS.*
3.3	Access requirement(s)	*The Finnish Matriculation Examination gives general*

eligibility for higher education. General eligibility is also given by Finnish upper secondary vocational qualification. These qualifications require at least 12 years of schooling. Equivalent foreign qualifications also give general eligibility for higher education.
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 requirements	*Studies leading to a first-cycle polytechnic degree comprise:* *1) Basic Studies* *2) Professional Studies* *3) Optional Studies* *4) Work Placement (30 cr)* *5) Bachelor's Thesis (15 cr).* *See Transcript of Records.* *For aims and objectives of the qualification, see 8.*
4.3	Programme details (e.g. modules or units studied), and individual grades/marks/credits obtained)	*See Transcript of Records.*
4.4	Grading scheme and, if available, grade distribution guidance	*5 = Excellent* *4 = Good* *3 = Good* *2 = Satisfactory* *1 = Satisfactory* *0 = Fail* *S = Passed.*
4.5	Overall classification of the qualification	*Oivallisesti* *(With distinction)*

5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1	Access to further study	*General eligibility for second-cycle higher education studies.* *For second-cycle polytechnic studies three years' work experience is also required.* *The admission decisions are made in the receiving higher education institution.*
5.2	Professional status	*Under the Finnish legislation, a person who has taken tekniikan ammattikorkeakoulututkinto, Insinööri (AMK), Bachelor of Engineering is qualified for posts or positions in the public sector for which the qualification requirement is a first cycle 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

Centria ammattikorkeakoulu/yrkeshögskola was formerly called Keski-Pohjanmaan ammattikorkeakoulu / Mellersta Österbottens yrkeshögskola. The name was changed as of 23.5.2012. Keski-Pohjanmaan ammattikorkeakoulu / Mellersta Österbottens yrkeshögskola was a state recognised polytechnic.

6.2 Further information sources

www.centria.fi: Centria University of Applied Sciences
www.minedu.fi: Ministry of Education and Culture
www.oph.fi/recognition,
www.oph.fi/qualificationsframework:
The Finnish National Board of Education, The National Academic Recognition Information Centre (NARIC, the National Coordination Point for the European Qualifications Framework (EQF))
www.kka.fi: The Finnish Higher Education Evaluation Council

7 CERTIFICATION OF THE SUPPLEMENT

7.1 Date *Kokkola 1 January 2013*

7.2 Signature

Pekka Hulkko

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 Board of Education and approved by the Ministry of Education.

The Finnish education system consists of basic education, general and vocational upper secondary education, higher education and adult education. The basic education consists of a 9-year compulsory school for all children from 7 to 16 years of age.

Post-compulsory education is given by general upper secondary schools and vocational institutions. The general upper secondary school provides a 3-year general education curriculum, at the end of which the pupil takes the national Matriculation examination (ylioppilastutkinto/studentexamen). Vocational institutions provide 3-year programmes, which lead to upper secondary vocational qualifications (ammatillinen perustutkinto/yrkesinriktad grundexamen).

General eligibility for higher education is given by the Matriculation examination and the upper secondary vocational qualification. These qualifications require at least 12 years of schooling. Equivalent foreign qualifications also give general eligibility for higher education.

The Finnish higher education system comprises of universities (yliopisto/universitet) and polytechnics (ammattikorkeakoulu, AMK/yrkeshögskola, YH). All universities engage in both education and research and have the right to award doctorates. The polytechnics are multi-field institutions of professional higher education. Polytechnics engage in applied research and development. The polytechnics use the terms polytechnic or university of applied sciences when referring to themselves. This higher education system description uses the term polytechnic.

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

8.1. University degrees

The Government Decree on University Degrees (794/2004) 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 (3 years of full-time study). The degree is called kandidaatti/kandidat in all fields of study except Law (oikeusnotaari/rättsnotarie) and Pharmacy (farmaseutti/farmaceut). The determined English translation for all these degrees is Bachelor's degree, the most common degrees being the Bachelor of Arts or 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 continuous learning; (4) a capacity for applying the acquired knowledge and skills to work; and (5) adequate language and communication skills.

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

8.1.2. The second-cycle university degree

The second-cycle university degree consists of at least 120 credits (2 years of full-time study). The extent of studies required for a programme leading to the second cycle university degree which is geared towards foreign students is a minimum of 90 credits. 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 degrees being the Master of Arts or Master of Science. The second-cycle university degree title in the fields of Medicine, Veterinary Medicine and Dentistry is lisensiaatti/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 (6 years of full-time study) and in Dentistry the degree consists of 300 credits (5 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; (4) knowledge and skills needed for scientific or artistic postgraduate education; and (5) good language and communication skills.

The studies leading to the second-cycle university degree may include: basic and intermediate studies and advanced studies; language and communication studies; interdisciplinary study programmes; 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 relevant 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.

A pre-doctoral degree of lisensiaatti/licentiat (Licentiate) may be taken before the Doctor's degree and in general it takes 2 years of full-time study to complete.

The Doctor's degree takes approximately 4 years to complete after the second-cycle degree or 2 further years following the pre-doctoral 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. Polytechnic degrees

The government decree on polytechnics (352/2003 including amendments) defines the objectives, extent and overall structure of polytechnic degrees. The Ministry of Education confirms the degree programmes of polytechnics, and within the framework of these regulations, the polytechnics decide on the content and structure of their degrees in more detail. The polytechnics also decide on their annual curricula and forms of instruction.

8.3.1. First-cycle polytechnic degrees

The first-cycle polytechnic degree consists of 180, 210 or 240 credits (3 to 4 years of full-time study) depending on the study field. For specific reasons, the Ministry of Education may confirm the scope of the degree to exceed 240 credits. The first-cycle polytechnic 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 or 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 continuous learning; (4) adequate language and communication skills; and (5) knowledge and skills required in the field internationally.

The first-cycle polytechnic degree comprises basic and professional studies, elective studies, a practical training period and a Bachelor's thesis or a final project.

8.3.2. The second-cycle polytechnic degrees

The second-cycle polytechnic degree consists of 60 or 90 credits (1 or 1.5 years of full-time study).

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The degree is called ylempi ammattikorkeakoulututkinto/högre yrkeshögskoleexamen. The determined English translation for the second-cycle polytechnic degree is Master's degree. The degree titles indicate the field of study, e.g. Master of Culture and Art or Master of Business Administration. Eligibility for second-cycle polytechnic degrees is given by a relevant first-cycle degree with at least 3 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 work 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 (4) good language and communication skills required in work life; and (5) knowledge and skills needed to function and communicate in the field internationally.

The second-cycle polytechnic degree comprises advanced professional studies, elective studies and a final thesis or a final project.