

Local Qualifications Ordinance at Karlstad University

Dnr C2013/723

The Swedish Government's Higher Education Ordinance (SFS 1993:100), valid from July 1, 2007 (SFS 2006:1052), states the following:

For university studies in the first and second cycle (Bachelor and Master levels), general degrees and professional degrees can be awarded. A degree can complete a course of study in the first and second cycle at a university or a university college. It can also qualify a student for the third cycle in a certain main field of study.

A Qualifications Ordinance can be found in the Higher Education Law (SFS 1992:1434) and The Swedish Government's Higher Education Ordinance (SFS 1993:100). Only those degrees that are listed in Annex 2 of the Swedish Government's Higher Education Ordinance (Qualifications Ordinance) can be awarded for first and second cycle studies.

A student who fulfills the requirements for a degree is entitled to apply for and receive a degree certificate from the university/university college (ch. 6, 9 § HF). If a degree includes studies at several institutions of higher education, the degree certificate is awarded at the university/university college where the student has completed his or her programme of study, unless the universities/university colleges in question have reached a different agreement in a particular case (ch. 6, 11 § HF).

As of January 1, 2003, all degree certificates issued by state universities and university colleges must include an appendix, a so called Diploma Supplement, which describes the content and scope of the study programme for which the degree has been awarded. The Diploma Supplement is meant to facilitate the transfer of credits and degrees throughout Europe and other parts of the world, both in academic contexts and in other professional situations (ch 6, §10 HF). Degree certificates that were awarded before December 31, 2002, included a document called General Information, which describes the Swedish education and qualifications system in English. A Diploma Supplement is not issued retroactively for these degrees. As of July 1, 2007, third cycle qualifications must be issued with a Diploma Supplement as well. A Diploma Supplement is not issued retroactively for third cycle qualifications awarded before July 1, 2007.

General policy at Karlstad University

A student who wants a degree certificate can apply for this in two ways. The request can be made electronically at www.kau.se/My Page, or by using the appropriate form at the same website. The form is also available at the Welcome Centre. Guidelines for the format of degree certificates are established by the Vice Chancellor.

Degree certificates are issued by the Student Centre/Degree Office. The processing of degree certificate applications at the university should not exceed 40 working days, in accordance with the Karlstad University regulations in *Local policies for first cycle and second cycle study* Ref no C2010/232. The official degree date is the date when the degree is issued. For

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students who are enrolled in a programme of study leading up to a general degree, the degree certificate appendix states the programme within which the majority of completed courses belong.

The degree certificate includes degree level, only successfully completed courses, number of credits, grades, grading scale and the date when grades were given, as well as transferred credits when applicable. For courses completed at another university/university college, the certificate states where the student has taken them.

The degree certificate states that one term of full-time study is equivalent of 30 credits.

A degree must not include courses which overlap in terms of identical content. In exceptional cases, credits are deducted if there is overlapping identical content.

Degree certificates issued by Karlstad University are bilingual (Swedish and English) and free of charge.

A copy of a degree certificate can be obtained for a fee from the university archive. A duplicate certificate is issued by the Student Centre/Degree Office and is subject to a charge in accordance with the Fee Ordinance (SFS 1992:191).

A second original degree certificate can only be issued if the following criteria are met:

1. The degree certificate was not delivered to the addressee.
2. A complaint was made to Posten (the Swedish Post Office) no later than 6 months after the issue of the degree.
3. Posten cannot trace the certified mail.

If a degree includes credits awarded in two main fields of study, the student may choose which main field of study will be stated in the degree certificate. If the student so requires, the degree certificate appendix may include a note saying that the requirements for another degree in the second main field of study are met, or a second degree may be awarded in the second main field of study.

In so far as courses required for a professional degree at the same time fulfill the requirements for a Bachelor's or Master's degree, this can be stated in the degree certificate if the student so requests.

Regardless if a student takes courses as part of a programme of study or as freestanding courses, the course of study leads up to an identical general degree. Professional degrees, on the other hand, are generally awarded within the framework of a programme of study.

If an application for a degree certificate is rejected, an appeal can be filed with the Higher Education Appeals Board. Information about the right to appeal must be included when an application is rejected.

In order to be entitled to apply for a degree and be assessed in accordance with the requirements stated in the new regulations, the student must have completed one course after 1 July 2007. A student who started studying before 1 July 2007 is entitled to apply for a degree in accordance with the previous requirements until 30 June 2015. For teacher education degrees the transition period is extended to 30 June 2018.

At Karlstad University only the exact number of credits required for each degree according to the Higher Education Ordinance is stated in the degree certificate.

Karlstad University only issues general degrees in a number of main fields of study decided upon by the university. (For established main fields of study, see attachment).

Transfer of credits

In the Higher Education Ordinance (ch. 6, §§ 6-8) there are general regulations for the transfer of credits between institutions of higher education.

Transfer of credits – local guidelines

The credits for an entire course are transferred by the respective faculty dean, possibly after a statement from an examiner or equivalent. This applies to the transfer of university studies in Sweden and studies abroad as well as be given credits for prior learning.

A student who has studied abroad and would like to transfer credits from those studies must hand in certified copies of study results to the Degree Office at the Student Centre. If the course of study is going to be assessed as a subject or main field of study, a statement is required from the examiner in question. If the transfer concerns general credits, the assessment is done by the Student Centre. A decision is sent to the student and a copy of this document must be submitted together with a degree application.

Credits for course modules are transferred by the examiner of the particular subject/main field of study. Credits which are transferred as course modules are listed in the course description in question, but not in the degree certificate.

If an application for transfer is rejected, an appeal can be filed with the Higher Education Appeals Board. Information about the right to appeal must be included when an application is rejected.

Main field of study/subject

A subject is a limited area of knowledge with its own label. A main field of study can consist of one subject but can also encompass a wider branch of knowledge. Main fields of study are established by each faculty committee at Karlstad University.

FIRST-CYCLE QUALIFICATIONS (BACHELOR LEVEL)

A Bachelor level degree should primarily include first-cycle courses. At Karlstad University, Master-level courses can only account for 25 per cent of the total number of credits required for a first cycle degree

GENERAL QUALIFICATIONS

General first-cycle university qualifications are the Higher Education Diploma and the Bachelor of Arts/Science.

Higher Education Diploma

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Higher education diploma is awarded after the student has completed the courses required to gain 120 credits with a defined specialisation determined by each higher education institution itself.

Outcomes***Knowledge and understanding***

For a Higher education diploma the student must

- demonstrate knowledge and understanding in the principal area (main field of study) of the study programme, including awareness of the disciplinary foundation of the field and knowledge of some applicable methodologies in the field.

Competence and skills

For a Higher education diploma the student must

- demonstrate the ability to search for, gather and critically interpret the relevant information in order to formulate answers to well defined issues in the main field of study
- demonstrate the ability to present and discuss his or her knowledge with different audiences, and
- demonstrate the skills required to work independently with specific tasks in the main field of study.

Judgement and approach

For a Higher education diploma the student must

- demonstrate knowledge about and be equipped to deal with ethical issues in the main field of study.

Independent project (degree project)

For a Higher education diploma is completion by the student of an independent project (degree project) in the main field of study.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Higher education diploma with a defined specialisation.

The following requirements are in place for Higher education diplomas issued by Karlstad University:

Higher education diploma

Specialisation

- completed course requirements equivalent of 120 credits
- a minimum of 60 credits in a main field of study established by Karlstad University, including an independent project equivalent of a least 7.5 credits.

Bachelor of Arts/Science

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Bachelor of Arts/Science is awarded after the student has completed the courses required to gain 180 credits in a defined specialisation determined by each higher education institution itself, of which 90 credits are for progressively specialised study in the principal field (main field of study) of the programme.

Outcomes

Knowledge and understanding

For a Bachelor of Arts/Science the student shall

- demonstrate knowledge and understanding in the main field of study, including knowledge of the disciplinary foundation of the field, understanding of applicable methodologies in the field, specialised study in some aspect of the field as well as awareness of current research issues.

Competence and skills

For a Bachelor of Arts/Science the student shall

- demonstrate the ability to search for, gather, evaluate and critically interpret the relevant information for a formulated problem and also discuss phenomena, issues and situations critically
- demonstrate the ability to identify, formulate and solve problems independently and to complete tasks within predetermined time frames
- demonstrate the ability to present and discuss information, problems and solutions in speech and writing and in dialogue with different audiences, and
- demonstrate the skills required to work independently in the main field of study.

Judgement and approach

For a Bachelor of Arts/Science the student shall

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues
- demonstrate insight into the role of knowledge in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the need for further knowledge and ongoing learning.

Independent project (degree project)

For a degree of Bachelor of Arts/Science students must have completed an independent project (degree project) worth at least 15 higher education credits in their main field of study, within the framework of the course requirements.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Bachelor of Arts/Science with a defined specialisation.

The following requirements are in place for Bachelor of Arts/Science degrees issued by Karlstad University:

Degree of Bachelor of Arts/Social Science/Science

Major

- completed course requirements equivalent of exactly 180 credits
- a minimum of 90 credits within a main field of study established by Karlstad University, including an independent project worth at least 15 credits.

Bachelor of Arts
 Bachelor of Social Science
 Bachelor of Science

Degree of Bachelor of Science in Business and Economics [Ekonomie kandidatexamen]
Major

Karlstad University requires a combination of the subjects business administration and economics.

- completed course requirements equivalent of exactly 180 credits
- a minimum of 90 credits in either business administration or economics, out of which no less than 15 credits must constitute an independent project
- a minimum of 30 credits in the other subject not chosen as a main field of study

Degree of Bachelor of Political Sciences [Politices kandidatexamen]
Major

Karlstad University requires a combination of the subjects political science, economics, and jurisprudence.

- completed course requirements equivalent of exactly 180 credits
- a minimum of 90 credits in one of the subjects mentioned above, out of which no less than 15 credits must constitute an independent project
- a minimum of 30 credits in each of the other two subjects

Degree of Bachelor of Science [Teknologie kandidatexamen]
Major

Karlstad University requires a combination of ***two technology subjects or one technology subject and mathematics***.

- completed course requirements equivalent of exactly 180 credits
- a minimum of 90 credits in a technology subject, out of which no less than 15 credits must constitute an independent project
- a minimum of 30 credits in ***mathematics or a technology subject***

PROFESSIONAL QUALIFICATIONS

Karlstad University issues the following professional qualifications in the first cycle:

Degree of Bachelor of Science in Biomedical Laboratory Science
Bachelor of Arts/Science in Early Years Education
Degree of Bachelor of Science in Engineering
Degree of Bachelor of Science in Pharmacy
Degree of Bachelor of Science in Nursing
Degree of Bachelor of Science in Social Work
Higher Education Diploma in Dental Hygiene
Higher Education Diploma in Vocational Education

Degree of Bachelor of Science in Biomedical Laboratory Science

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Bachelor of Science in Biomedical Laboratory Science is awarded after the student has completed the courses required to gain 180 credits.

Outcomes

For a Bachelor of Science in Biomedical Laboratory Science the student shall demonstrate the knowledge and skills required for registration as a biomedical analyst.

Knowledge and understanding

For a Bachelor of Science in Biomedical Laboratory Science the student shall

- demonstrate knowledge of the disciplinary foundation of the field and awareness of current research and development work as well as the links between research and proven experience and the significance of these links for professional practice
- demonstrate knowledge of relevant methods in the field, and
- demonstrate knowledge of the relevant statutory provisions.

Competence and skills

For a Bachelor of Science in Biomedical Laboratory Science the student shall

- demonstrate the ability to plan and undertake analyses and examinations independently and to cooperate in these with patients and those close to them
- demonstrate the ability to develop, use and assure the quality of biomedical laboratory and testing methods
- demonstrate the ability to apply his or her knowledge to deal with different situations, phenomena and issues on the basis of the needs of individuals and groups
- demonstrate the ability to inform and instruct different audiences
- demonstrate the ability to gather, appraise and critically interpret the findings of analyses and examinations, notice and deal with deviations, as well as to present and discuss the results in speech and writing with those concerned and to document them in accordance with the relevant statutory provisions
- demonstrate the capacity for teamwork and cooperation with other professional categories, and
- demonstrate the ability to review, assess and use relevant information critically and to discuss new data, phenomena and issues with various audiences and so contribute to the development of the profession and professional practice.

Judgement and approach

For a Bachelor of Science in Biomedical Laboratory Science the student shall

- demonstrate self-awareness and the capacity for empathy.-demonstrate the ability to make assessments using a holistic approach to individuals informed by the relevant disciplinary, social and ethical aspects and taking particular account of human rights
- demonstrate the ability to adopt a professional approach to clients or patients, those close to them and other groups, and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Bachelor of Science in Biomedical Laboratory Science is completion by the student of an independent project (degree project) for at least 15 credits.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Bachelor of Science in Biomedical Laboratory Science.

At Karlstad University, the course requirements for a Bachelor of Science in Biomedical Laboratory Science must be completed within the curriculum of the Biomedical Laboratory Science programme of study.

Degree of Bachelor of Arts/Science in Early Years Education [Förskollärarexamen]

Scope

A Degree of Bachelor of Arts/Science in Early Years Education is awarded after the student has completed the courses required to gain 210 credits.

For the award of a Degree of Bachelor of Arts/Science in Early Years Education studies in the following areas are required: courses in the field of early years education for 120 credits, core education subjects for 60 credits and a relevant placement for 30 credits.

Courses in core education subjects shall be linked to future professional practice and comprise the following:

- history of the school system, its organisation and conditions as well as the core values of early years education, including fundamental democratic values and human rights
- syllabus theory and subject-based teaching and learning
- theory of knowledge and research methodology
- development, learning and special needs education
- social relationships, conflict management and leadership
- assessing and analysing learning and development, and evaluation and development processes.

Outcomes

For a Degree of Bachelor of Arts/Science in Early Years Education the student shall demonstrate the knowledge and skills required to work independently as an early years teacher in the specialisation for which the qualification is awarded. The student shall also demonstrate knowledge and skills for other forms of teaching for which the degree, pursuant to the applicable regulations, qualifies him or her.

Knowledge and understanding

For a Degree of Bachelor of Arts/Science in Early Years Education the student shall

- demonstrate the knowledge in the field of early years education and subject knowledge, including awareness of current research and development work, required for professional practice
- demonstrate the knowledge of early years teaching and learning and subject-based teaching and learning required for professional practice
- demonstrate specialised knowledge of communicative and linguistic development in children
- demonstrate knowledge of the basic acquisition of reading, writing and mathematical skills
- demonstrate awareness of scientific theory and qualitative and quantitative research methods

as well as the relationship between the disciplinary foundation and proven experience and its significance for professional practice

- demonstrate the knowledge about the children's development, learning, needs and circumstances required for professional practice
- demonstrate knowledge of practical and aesthetic learning processes
- demonstrate knowledge and understanding of social relationships, conflict management and leadership, and
- demonstrate knowledge of the organisation of the school system, relevant regulatory documents, syllabus theory and different educational and teaching and learning perspectives as well as knowledge of the history of the school system.

Competence and skills

For a Degree of Bachelor of Arts/Science in Early Years Education the student shall

- demonstrate a specialised capacity to meet the caring needs of children and create conditions, including play and creative activities, in which all children can learn and develop
- display the capacity to benefit from, systematise and reflect critically and independently on personal experience, the experience of others and relevant research findings and thereby contribute to his or her own professional development and the formation of knowledge in the field of professional practice
- demonstrate the capacity to take advantage of the knowledge and experiences of children to stimulate the learning and development of every child
- demonstrate the capacity to plan, implement, evaluate and develop teaching and educational processes individually and together with others in order to stimulate the learning and development of every child in the best way possible
- demonstrate the capacity to identify and in cooperation with others deal with special educational needs
- demonstrate the capacity to observe, document and analyse the all-round development and learning of children in relation to educational objectives and to inform and cooperate with their caregivers
- demonstrate the capacity to communicate and instil core educational values, including human rights and the fundamental democratic values
- demonstrate the capacity to prevent and restrain discrimination and other forms of harassment of children
- demonstrate the capacity to respect, communicate and instil a gender equal and equal rights perspective in educational processes
- demonstrate communicative capacity in listening, speaking and writing to support educational processes
- demonstrate the capacity to use digital aids assuredly and critically in educational processes and to take into account the significance of the role of different media and digital environments in this respect, and
- demonstrate the capacity to acquire during educational processes skills that are valuable for professional practice.

Judgement and approach

For a Degree of Bachelor of Arts/Science in Early Years Education the student shall

- demonstrate self-awareness and the capacity for empathy
- demonstrate the capacity to adopt a professional approach to children and their caregivers
- demonstrate the capacity to make assessments in educational processes on the basis of rele-

vant scientific, social and ethical aspects with particular respect for human rights, especially children's rights according to the Convention on the Rights of the Child, and sustainable development, and

- demonstrate the capacity to identify the need for further knowledge and to develop his or her own skills in professional practice.

Independent project (degree project)

A requirement for the award of a Degree of Bachelor of Arts/Science in Early Years Education is completion by the student of an independent project (degree project) for at least 15 credits in the field of early years education.

Local degree requirement

- demonstrate ability to critically and independently give an account of the meaning of an entrepreneurial approach and creatively apply the perspective in a way that is relevant to current school activities.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Degree of Bachelor of Arts/Science in Early Years Education.

Degree of Bachelor of Science in Engineering [Högskoleingenjörsexamen]

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Bachelor of Science in Engineering is awarded after the student has completed the courses required to gain 180 credits.

Outcomes

For a Bachelor of Science in Engineering the student shall demonstrate the knowledge and skills required to work independently as a graduate engineer.

Knowledge and understanding

For a Bachelor of Science in Engineering the student shall

-demonstrate knowledge of the disciplinary foundation of the engineering field chosen and proven experience in this field as well as awareness of current research and development work, and

-demonstrate broad knowledge in the engineering field chosen and relevant knowledge of mathematics and the natural sciences.

Competence and skills

For a Bachelor of Science in Engineering the student shall

-demonstrate the ability to identify, formulate and deal with issues independently and creatively and to analyse and evaluate technological solutions

-demonstrate the ability to plan and using appropriate methods undertake tasks within predetermined parameters

-demonstrate the ability to use knowledge critically and systematically to model, simulate, predict and evaluate series of events on the basis of relevant information

- demonstrate the ability to design and manage products, processes and systems while taking into account the circumstances and needs of individuals and the targets for economically, socially and ecologically sustainable development set by the community
- demonstrate the capacity for teamwork and collaboration with various constellations, and
- demonstrate the ability to present and discuss information, problems and solutions in speech and writing and in dialogue with different audiences.

Judgement and approach

For a Bachelor of Science in Engineering the student shall

- demonstrate the ability to make assessments informed by relevant disciplinary, social and ethical aspects
- demonstrate insight into the possibilities and limitations of technology, its role in society and the responsibility of the individual for how it is used, including social and economic aspects as well as environmental and occupational health and safety aspects
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Bachelor of Science in Engineering is completion by the student of an independent project (degree project) for at least 15 credits.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Bachelor of Science in Engineering.

At Karlstad University, the course requirements for a Bachelor of Science in Engineering must be completed within the curriculum of one of the Engineering programmes of study.

In addition to the outcomes stated in the Higher Education Ordinance, the student is expected to have acquired during his or her course of study such knowledge within the fields of liberal arts, social sciences and gender studies as is relevant for the role of an engineer.

Karlstad University issues the degree Bachelor of Science in Engineering in the following specialisations:

Högskoleingenjörsexamen
Byggteknik inriktning husbyggnad
Degree of Bachelor of Science in Engineering
Building Engineering

Högskoleingenjörsexamen
Datateknik
Degree of Bachelor of Science in Engineering
Computer Science

Högskoleingenjörsexamen
Elektroteknik
Degree of Bachelor of Science in Engineering
Electrical Engineering

Högskoleingenjörsexamen
 Energi- och installationsteknik
*Degree of Bachelor of Science in Engineering
 Energy and Building Services Engineering*

Högskoleingenjörsexamen
 Energi- och miljöteknik
*Degree of Bachelor of Science in Engineering
 Environmental and Energy Engineering*

Högskoleingenjörsexamen
 Geografiska InformationsSystem
*Degree of Bachelor of Science in Engineering
 Geographic Information Systems Engineering*

Högskoleingenjörsexamen
 Lantmäteriteknik och geografisk IT
*Degree of Bachelor of Science in Engineering
 Surveying Technology and Geographical IT*

Högskoleingenjörsexamen
 Innovationsteknik och design
*Degree of Bachelor of Science in Engineering
 Innovation and Design Engineering*

Högskoleingenjörsexamen
 Kemiteknik
*Degree of Bachelor of Science in Engineering
 Chemical Engineering*

Högskoleingenjörsexamen
 Maskinteknik
*Degree of Bachelor of Science in Engineering
 Mechanical Engineering*

Högskoleingenjörsexamen
 Mechatronik
*Degree of Bachelor of Science in Engineering
 Mechatronic Engineering*

Högskoleingenjörsexamen
 Musikteknik och ljudsättning
*Degree of Bachelor of Science in Engineering
 Music and Sound Engineering*

Degree of Bachelor of Science in Pharmacy

Scope

A Bachelor of Science in Pharmacy is awarded after the student has completed the courses required to gain 180 credits.

Outcomes

For a Bachelor of Science in Pharmacy the student shall demonstrate the knowledge and skills required for registration as a prescriptionist.

Knowledge and understanding

For a Bachelor of Science in Pharmacy the student shall

- demonstrate knowledge of the disciplinary foundation of the field and awareness of current research and development work as well as the links between research and proven experience and the significance of these links for professional practice
- demonstrate knowledge of pharmaceutical information, pharmaceutical counselling and pharmaceutical evaluation in order to contribute to a rational and optimal use of pharmaceutical products
- demonstrate awareness of the development, testing and use of pharmaceuticals, and
- demonstrate knowledge of the relevant statutory provisions.

Competence and skills

For a Bachelor of Science in Pharmacy the student shall

- demonstrate the ability to utilise scientific documentation and to search for, evaluate and critically interpret relevant information to be able to analyse and resolve pharmaceutically related problems
- demonstrate the ability to apply his or her knowledge to deal with different situations, phenomena and issues on the basis of the needs of individuals and groups
- demonstrate the capacity for teamwork and cooperation with other professional categories, and
- demonstrate the ability to present information on and discuss new data, phenomena and issues with various audiences and so contribute to the development of the profession and professional practice.

Judgement and approach

For a Bachelor of Science in Pharmacy the student shall

- demonstrate self-awareness and the capacity for empathy
- demonstrate the ability to work in both the field of pharmaceuticals and the health care services with an ethical stance and a holistic approach to individuals and taking particular account of human rights
- demonstrate the ability to adopt a professional approach, and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Bachelor of Science in Pharmacy is completion by the student of an independent project (degree project) for at least 15 credits.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Bachelor of Science in Pharmacy.

At Karlstad University, the course requirements for a Bachelor of Science in Pharmacy must be completed within the curriculum of the Pharmacy programme.

Degree of Bachelor of Science in Nursing

Scope

A Bachelor of Science in Nursing is awarded after the student has completed the courses required to gain 180 credits.

Outcomes

For a Bachelor of Science in Nursing the student shall demonstrate the knowledge and skills required for registration as a nurse.

Knowledge and understanding

For a Bachelor of Science in Nursing the student shall:

- demonstrate knowledge of the disciplinary foundation of the field and awareness of current research and development work as well as the links between research and proven experience and the significance of these links for professional practice
- demonstrate knowledge of the planning, management and coordination of health care measures
- demonstrate knowledge of social circumstances that affect the health of children, women and men, and
- demonstrate knowledge of the relevant statutory provisions.

Competence and skills

For a Bachelor of Science in Nursing the student shall

- demonstrate the ability to identify health care needs, draw up care plans and provide care and treatment independently and in cooperation with patients and those close to them
- demonstrate the ability to manage pharmaceuticals appropriately and also to inform patients of the effects and side effects of pharmaceuticals
- demonstrate the ability to identify the need of measures to promote health and prevent ill-health and implement them
- demonstrate the ability to initiate methodological improvements and quality assurance
- demonstrate the ability to apply his or her knowledge to deal with different situations, phenomena and issues on the basis of the needs of individuals and groups
- demonstrate the ability to inform and instruct different audiences and also to undertake supervisory duties
- demonstrate the ability to present and discuss in speech and writing interventions and treatment outcomes with those concerned and to document them in accordance with the relevant statutory provisions
- demonstrate the capacity for teamwork and cooperation with other professional categories, and
- demonstrate the ability to review, assess and use relevant information critically and to discuss new data, phenomena and issues with various audiences and so contribute to the development of the profession and professional practice.

Judgement and approach

For a Bachelor of Science in Nursing the student shall

- demonstrate self-awareness and the capacity for empathy
- demonstrate the ability to assess interventions using a holistic approach to individuals informed by the relevant disciplinary, social and ethical aspects and taking particular account of human rights
- demonstrate the ability to adopt a professional approach to clients or patients and those close to them; and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Bachelor of Science in Nursing is completion by the student of an independent project (degree project) for at least 15 credits.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Bachelor of Science in Nursing.

At Karlstad University, the course requirements for a Bachelor of Science in Nursing must be completed within the curriculum of the Nursing programme.

Degree of Bachelor of Science in Social Work

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Bachelor of Science in Social Work is awarded after the student has completed the courses required to gain 210 credits.

Outcomes

For a Bachelor of Science in Social Work the student shall demonstrate the knowledge and skills required to work independently as a social worker at individual, group and community level.

Knowledge and understanding

For a Bachelor of Science in Social Work the student shall

- demonstrate knowledge of the disciplinary foundation of the field as well as awareness of current research and development work
- demonstrate knowledge and understanding of the interaction between individuals and groups and their social situation, existential circumstances, physical and mental health and their functional capacity in relation to social and other underlying factors
- demonstrate knowledge of the management of social work; and
- demonstrate knowledge and understanding of the needs of children and the social and family circumstances that affect the existential conditions of women and men.

Competence and skills

For a Bachelor of Science in Social Work the student shall

- demonstrate the competence and skills required to develop and undertake social work at different levels in the community in cooperation with those concerned
- demonstrate the ability to apply the relevant statutory provisions, particularly those relating to the social field
- demonstrate the ability to understand, investigate and analyse social processes and problems, and
- demonstrate the ability to identify, structure, study and evaluate interventions at individual, group and community level.

Judgement and approach

For a Bachelor of Science in Social Work the student shall

- demonstrate self-awareness and the capacity for empathy

- demonstrate the ability to assess interventions using a holistic approach to individuals informed by the relevant disciplinary, social and ethical aspects and taking particular account of human rights
- demonstrate the capacity for professional conduct and attitudes
- demonstrate insight into the importance of teamwork and cooperation with other professional categories, and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Bachelor of Science in Social Work is completion by the student of an independent project (degree project) for at least 15 credits.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Bachelor of Science in Social Work.

At Karlstad University, the course requirements for a Bachelor of Science in Social Work must be completed within the curriculum of the Social Work programme.

Karlstad University issues the degree Bachelor of Science in Social Work with the following specialisations:

- *Administration and Leadership*
- *Social Pedagogy*

Higher Education Diploma in Dental Hygiene

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Higher education diploma in Dental Hygiene is awarded after the student has completed the courses required to gain 120 credits.

Outcomes

For a Higher education diploma in Dental Hygiene the student shall demonstrate the knowledge and skills required for registration as a dental hygienist.

Knowledge and understanding

For a Higher education diploma in Dental Hygiene the student shall

- demonstrate knowledge of the disciplinary foundation of the field and awareness of current research and development work
- demonstrate knowledge of and understanding of the significance of the oral cavity for general well-being and the impact of health in general on oral health, and
- demonstrate knowledge of the relevant statutory provisions.

Competence and skills

For a Higher education diploma in Dental Hygiene the student shall

- demonstrate the ability to initiate and undertake health promoting and preventive dental interventions independently for both individuals and groups of patients
- demonstrate the ability to undertake examinations for caries and periodontitis and also to examine and analyse the need for interventions to promote oral health

- demonstrate the ability to undertake measures and evaluate them and also to document them in accordance with the relevant statutory provisions, and
- demonstrate the ability to review, assess and use relevant information critically and also to present his or her knowledge to different audiences and so contribute to the development of the profession and professional practice.

Judgement and approach

For a Higher education diploma in Dental Hygiene the student shall

- demonstrate self-awareness and the capacity for empathy
- demonstrate the ability to assess interventions using a holistic approach to individuals informed by the relevant disciplinary, social and ethical aspects and taking particular account of human rights
- demonstrate the ability to adopt a professional approach in order to safeguard and respect the needs of patients
- demonstrate insight into the significance of teamwork and cooperation with other professional categories, and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Higher education diploma in Dental Hygiene is completion by the student of an independent project (degree project).

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Higher education diploma in Dental Hygiene. At Karlstad University, the course requirements for a Higher education diploma in Dental Hygiene must be completed within the curriculum of the Dental Hygiene programme.

The independent project (degree project) must be worth at least 7.5 credits.

Higher Education Diploma in Vocational Education [Yrkeslärarexamen]

Scope

A Higher Education Diploma in Vocational Education is awarded after the student has completed the courses required to gain 90 credits. For the award of a Higher Education diploma in Vocational Education studies in the following areas are required: courses in core education subjects for 60 credits and a placement for 30 credits in a relevant position and subject. Courses in core education subjects shall be linked to future professional practice and comprise the following:

- history of the school system, its organisation and conditions as well as its core values, including fundamental democratic values and human rights
- syllabus theory and subject-based teaching and learning
- theory of knowledge and research methodology
- development, learning and special needs education
- social relationships, conflict management and leadership
- assessment and grading, and evaluation and
- development processes.

Outcomes

For a Higher Education Diploma in Vocational Education the student shall demonstrate the knowledge and skills required to work independently as a vocational teacher in the specialisation for which the qualification is awarded. The student shall also demonstrate knowledge and skills for other forms of teaching for which the degree, pursuant to the applicable regulations, qualifies him or her.

Knowledge and understanding

For a Higher Education Diploma in Vocational Education the student shall

- demonstrate the knowledge of the subject and of subject-based teaching and learning required for professional practice as well as awareness of adult learning
- demonstrate awareness of scientific theory and qualitative and quantitative research methods as well as the relationship between the disciplinary foundation and proven experience and its significance for professional practice
- demonstrate the knowledge about the development, learning, needs and circumstances of children and young people required for professional practice
- demonstrate knowledge and understanding of social relationships, conflict management and leadership
- demonstrate knowledge of the organisation of the school system, relevant regulatory documents, syllabus theory and different educational and teaching and learning perspectives as well as knowledge of the history of the school system, and
- demonstrate specialised knowledge of assessment and grading.

Competence and skills

For a Higher Education Diploma in Vocational Education the student shall

- demonstrate a specialised capacity to create conditions in which all pupils can learn and develop
- display the capacity to benefit from, systematise and reflect critically and independently on personal experience, the experience of others and relevant research findings and thereby contribute to his or her own professional development and the formation of knowledge in the field of professional practice
- demonstrate the capacity to take advantage of pupils' knowledge and experiences to stimulate the learning and development of every pupil
- demonstrate the capacity to plan, implement, evaluate and develop teaching and educational processes individually and together with others in order to stimulate the learning and development of every pupil in the best way possible
- demonstrate the capacity to identify and in cooperation with others deal with special educational needs
- demonstrate the capacity to observe, document and analyse their pupils' development and learning in relation to educational objectives and to inform and cooperate with pupils and their caregivers
- demonstrate the capacity to communicate and instil core educational values, including human rights and the fundamental democratic values
- demonstrate the capacity to prevent and restrain discrimination and other forms of harassment of pupils
- demonstrate the capacity to respect, communicate and instil a gender equal and equal rights perspective in educational processes
- demonstrate communicative capacity in listening, speaking and writing to support educational processes

- demonstrate the capacity to use digital aids assuredly and critically in educational processes and to take into account the significance of the role of different media and digital environments in this respect, and
- demonstrate the capacity to acquire during educational processes skills that are valuable for professional practice.

Judgement and approach

For a Higher Education Diploma in Vocational Education the student shall

- demonstrate self-awareness and the capacity for empathy
- demonstrate the capacity to adopt a professional approach to pupils and their caregivers
- demonstrate the capacity to make assessments in educational processes on the basis of relevant scientific, social and ethical aspects with particular respect for human rights, especially children's rights according to the Convention on the Rights of the Child, and sustainable development, and
- demonstrate the capacity to identify the need for further knowledge and to develop his or her own skills in both the vocational subject and pedagogical practice.

Local degree requirement

- demonstrate ability to critically and independently give an account of the meaning of an entrepreneurial approach and creatively apply the perspective in a way that is relevant to current school activities.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Higher Education Diploma in Vocational Education.

SECOND-CYCLE QUALIFICATIONS (MASTER LEVEL)

A Master level qualification should primarily include second-cycle courses. At Karlstad University, first-cycle courses can account for no more than 25 percent of the total number of credits required for a Master level qualification. Courses included in a first cycle qualification cannot be included in a second cycle qualification. The only exception is a case where a qualification has been awarded in accordance with previous regulations and includes more than 120 credit points in the old system.

GENERAL QUALIFICATIONS

General second-cycle qualifications are Master of Arts/Science (60 credits) and Master of Arts/Science (120 credits).

Degree of Master of Arts/Science (60 credits)

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Master of Arts/Science (60 credits) degree is awarded after the student has completed the courses required to gain 60 credits with a defined specialisation determined by each higher education institution itself, of which at least 30 credits are for specialised study in the principal field (main field of study) of the study programme. In addition the prior award of a Bachelor's degree, Bachelor's degree in fine arts, professional or vocational

qualification of at least 180 credits or a corresponding qualification from abroad is required.

The requirement of the prior award of a qualification may be waived for a student admitted to the programme without the basic entry requirement in the form of a qualification. This does not, however, apply if a waiver was granted during admission pursuant to the second paragraph of Section 28 of the Chapter 7 of the Higher Education Ordinance (1993:100) on the grounds that the qualification had not yet been issued.

Outcomes

Knowledge and understanding

For a Master of Arts/Science (60 credits) degree the student shall:

- demonstrate knowledge and understanding in the main field of study, including both an overview of the field and specialised knowledge in certain areas of the field as well as insight into current research and development work, and
- demonstrate specialised methodological knowledge in the main field of study.

Competence and skills

For a Master of Arts/Science (60 credits) degree the student shall

- demonstrate the ability to integrate knowledge and analyse, assess and deal with complex phenomena, issues and situations even with limited information
- demonstrate the ability to identify and formulate issues independently as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames
- demonstrate the ability in speech and writing to report clearly and discuss his or her conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and
- demonstrate the skills required for participation in research and development work or employment in some other qualified capacity.

Judgement and approach

For a Master of Arts/Science (60 credits) degree the student shall

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

Independent project (degree project)

A requirement for the award of a Master of Arts/Science (60 credits) is completion by the student of an independent project (degree project) for at least 15 credits in the main field of study.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Master of Arts/Science with a defined specialisation.

The following requirements apply for Master of Arts/Science degrees issued by Karlstad University.

Degree of Master of Arts/Social Science/Science 60 credits

Major

- a Bachelor's degree, Bachelor of Arts degree, or professional qualification worth no less than 180 credits, or an equivalent qualification from abroad
- completed course requirements worth 60 credits, including 30 credits in a main area of study
- an independent project (degree project) worth at least 15 credits in the main area of study.

Degree of Master of Arts

Degree of Master of Social Science

Degree of Master of Science

Major

- a Bachelor's degree, Bachelor of Arts degree, or professional qualification worth no less than 180 credits, or an equivalent qualification from abroad within a relevant main area of study
 - completed course requirements worth 60 credits, including at least 30 credits in a main area of study
 - an independent project (degree project) worth at least 15 credits in the main area of study
- In order to obtain a second-cycle Master of Science in Business and Economics, the student shall have obtained a Bachelor of Science in Business and Economics or fulfilled second-cycle course requirements for a combination of business administration and economics.

Degree of Master of Political Sciences 60 credits

Major

- a Bachelor's degree, Bachelor of Arts degree, or professional qualification worth no less than 180 credits, or an equivalent qualification from abroad within a relevant main area of study (Subjects: political science, economics and jurisprudence)
- completed course requirements worth 60 credits, including at least 30 credits in a main area of study
- an independent project (degree project) worth at least 15 credits in the main area of study

In order to obtain a second-cycle Master of Political Sciences, the student shall have obtained a Bachelor of Political Sciences or fulfilled second-cycle course requirements for a combination of political science, economics and jurisprudence.

Degree of Master of Science 60 credits

Major

- a Bachelor's degree, Bachelor of Arts degree, or professional qualification worth no less than 180 credits, or an equivalent qualification from abroad within a relevant main area of study
- completed course requirements worth 60 credits, including at least 30 credits in a main area of study
- an independent project (degree project) worth at least 15 credits in the main area of study

In order to obtain a second-cycle Master of Science, the student shall have obtained a Bachelor of Science, a professional qualification with technical specialisation or fulfilled second-cycle course requirements for a combination of a technology subject and mathematics.

Degree of Master of Arts/Science (120 credits)

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Master of Arts/Science (120 credits) is awarded after the student has completed the courses required to gain 120 credits with a defined specialisation determined by each higher education institution itself, of which at least 60 credits are for specialised study in the principal field (main field of study) of the study programme. In addition the prior award of a Bachelor's degree, Bachelor's degree in fine arts, professional or vocational qualification of at least 180 credits or a corresponding qualification from abroad is required.

The requirement of the prior award of a qualification may be waived for a student admitted to the programme without the basic entry requirement in the form of a qualification. This does not, however, apply if a waiver was granted during admission pursuant to the second paragraph of Section 28 of the Chapter 7 of the Higher Education Ordinance (1993:100) on the grounds that the qualification had not yet been issued.

Outcomes**Knowledge and understanding**

For a Master of Arts/Science (120 credits) the student shall

- demonstrate knowledge and understanding in the main field of study, including both broad knowledge of the field and a considerable degree of specialised knowledge in certain areas of the field as well as insight into current research and development work, and
- demonstrate specialised methodological knowledge in the main field of study.

Competence and skills

For a Master of Arts/Science (120 credits) the student shall

- demonstrate the ability to critically and systematically integrate knowledge and analyse, assess and deal with complex phenomena, issues and situations even with limited information
- demonstrate the ability to identify and formulate issues critically, independently and creatively as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames and so contribute to the formation of knowledge as well as the ability to evaluate this work
- demonstrate the ability in speech and writing both nationally and internationally to report clearly and discuss his or her conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and
- demonstrate the skills required for participation in research and development work or autonomous employment in some other qualified capacity.

Judgement and approach

For a Master of Arts/Science (120 credits) the student shall

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and

-demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

Independent project (degree project)

A requirement for the award of a Master of Arts/Science (120 credits) is completion by the student of an independent project (degree project) for at least 30 credits in the main field of study. The degree project may comprise less than 30 credits, however no less than 15 credits, if the student has already completed an independent project in the second cycle for at least 15 credits in the main field of study or the equivalent from a programme of study outside Sweden.

Miscellaneous

Specific requirements determined by the each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Master of Arts/Science (120 credits) with a defined specialisation.

The following requirements apply for Master of Arts/Science 120 credit degrees issued by Karlstad University.

Translations

Master of Arts (humanistiskt huvudområde)

Master of Social Science (samhällsvetenskapligt huvudområde)

Master of Science (naturvetenskapligt huvudområde)

Degree of Master of Arts/Social Science/Science 120 credits [Filosofie masterexamen]

Major

- a Bachelor's degree, Bachelor of Arts degree, or professional qualification worth no less than 180 credits or an equivalent qualification from abroad
- completed course requirements worth 120 credits, including at least 60 credits in a main area of study
- an independent project (degree project) worth at least 30 credits in the main area of study

The degree project may comprise less than 30 credits, however no less than 15 credits, if the student has already completed an independent project in the second cycle for at least 15 credits in the main field of study or the equivalent from a programme of study outside Sweden.

Degree of Master of Science in Business and Economics [Ekonomie masterexamen] 120 credits)

Major

- a Bachelor's degree, Bachelor of Arts degree, or professional qualification worth no less than 180 credits or an equivalent qualification from abroad within a relevant main area of study (subjects: business administration and economics)
- completed course requirements worth 120 credits, including at least 60 credits in the same main area of study for which the previous qualification was issued
- an independent project (degree project) worth at least 30 credits in the main area of study

The degree project may comprise less than 30 credits, however no less than 15 credits, if the student has already completed an independent project in the second cycle for at least 15 credits in the main field of study or the equivalent from a programme of study outside Sweden.

In order to obtain a second-cycle Master of Science in Business and Economics 120 credits, the student shall have obtained a Bachelor of Science in Business and Economics, or shall meet the Master level requirements in the combination Business Administration and Economics.

***Degree of Master of Political Sciences 120 credits* [Politices masterexamen]**

Major

- a Bachelor's degree, Bachelor of Arts degree, or professional qualification worth no less than 180 credits or an equivalent qualification from abroad within a relevant main area of study (subjects: political science, economics, jurisprudence)
- completed course requirements worth 120 credits, including at least 60 credits in the main area of study
- an independent project (degree project) worth at least 30 credits in the main area of study

The degree project may comprise less than 30 credits, however no less than 15 credits, if the student has already completed an independent project in the second cycle for at least 15 credits in the main field of study or the equivalent from a programme of study outside Sweden.

In order to obtain a Master's degree 120 credits in Political Sciences, the student shall have obtained a Bachelor of Political Science, or shall meet the Master level requirements in the combination political science, economics and jurisprudence

***Degree of Master of Science 120 credits* [Teknologie masterexamen]**

Major

- a Bachelor's degree, Bachelor of Arts degree, or professional qualification worth no less than 180 credits or an equivalent qualification from abroad within a relevant main area of study (technology and science subjects)
- completed course requirements worth 120 credits, including at least 60 credits in the same main area of study for which the previous qualification was issued
- an independent project (degree project) worth at least 30 credits in the main area of study

The degree project may comprise less than 30 credits, however no less than 15 credits, if the student has already completed an independent project in the second cycle for at least 15 credits in the main field of study or the equivalent from a programme of study outside Sweden.

In order to obtain a Master of Science degree 120 credits, the student shall have obtained a Bachelor of Science, professional engineering degree, or shall meet the Master level requirements in the combination of **two technology subjects or one technology subject and mathematics**.

PROFESSIONAL QUALIFICATIONS

Karlstad University issues the following second-cycle professional qualifications

- Master of Science in Business and Economics
- Master of Science in Engineering
- Postgraduate Diploma in Specialist Nursing
- Postgraduate Diploma in Special Needs Training
- Degree of Master of Arts/Science in Secondary Education

Degree of Master of Science in Business and Economics

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

A Degree of Master of Science in Business and Economics is awarded after the student has completed the courses required to gain 240 credits.

Outcomes

For a Degree of Master of Science in Business and Economics the student shall have demonstrate the knowledge and skills required for advanced and autonomous work in the field of business and economics.

Knowledge and understanding

For a Degree of Master of Science in Business and Economics the student shall

- demonstrate knowledge of the disciplinary foundation of and proven experience in his or her chosen field of business and economics as well as insight into current research and development work
- demonstrate both broad knowledge of the field of business and economics as well as a considerable degree of specialised knowledge in certain areas in his or her chosen field of business and economics
- demonstrate specialised knowledge of theories and methodology in his or her chosen field of business and economics, and
- demonstrate knowledge of relevant national and international regulatory systems in his or her chosen field of business and economics.

Competence and skills

For a Degree of Master of Science in Business and Economics the student shall

- demonstrate the ability to integrate knowledge and also to analyse, assess and deal with complex phenomena, issues and situations
- demonstrate the ability to identify and formulate issues in business and economics independently as well as to plan and use appropriate methods to undertake advanced tasks within predetermined time frames
- demonstrate the ability to present his or her conclusions in speech and writing to different audiences in both national and international contexts, and
- demonstrate the skills required for participation in research and development work or employment in some other qualified capacity.

Judgement and approach

For a Degree of Master of Science in Business and Economics the student shall

- demonstrate the ability in his or her chosen field of business and economics to make assessments informed by relevant disciplinary and social considerations such as human rights and ethical issues as well as awareness of ethical aspects of research and development work
- demonstrate insight into the significance of leadership and the exercise of leadership, and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Degree of Master of Science in Business and Economics is completion by the student of an independent project (degree project) for at least 30 credits.

Miscellaneous

Specific requirements determined by the each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Degree of Master of Science in Business and Economics.

At Karlstad University, the course requirements for a Master of Science in Business and Economics must be completed within the curriculum of the Master of Science in Business and Economics programme.

Karlstad University issues the degree Degree of Master of Science in Business and Economics with the following specialisations:

Civilekonomexamen
Inriktning: Redovisning och styrning
Degree of Master of Science in Business and Economics
Spezialisierung: Accounting and Control

Civilekonomexamen
Inriktning: Marknadsföring
Degree of Master of Science in Business and Economics
Spezialisierung: Marketing

Civilekonomexamen
Inriktning: Service Management
Degree of Master of Science in Business and Economics
Spezialisierung: Service Management

Civilekonomexamen
Inriktning: Finansiell ekonomi
Degree of Master of Science in Business and Economics
Spezialisierung: Financial Economics

Civilekonomexamen
Inriktning: Nationalekonomi
Degree of Master of Science in Business and Economics
Spezialisierung: Economics

Degree of Master of Science in Engineering [Civilingenjörsexamen]

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Degree of Master of Science in Engineering is awarded after the student has completed the courses required to gain 300 credits.

Outcomes

For a Degree of Master of Science in Engineering the student shall demonstrate the knowledge and skills required to work independently as a graduate engineer.

Knowledge and understanding

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Master of Science in Engineering is awarded after the student has completed the courses required to gain 300 credits.

Outcomes

For a Master of Science in Engineering the student shall demonstrate the knowledge and skills required to work independently as a graduate engineer.

Knowledge and understanding

For a Master of Science in Engineering the student shall

- demonstrate knowledge of the disciplinary foundation of and proven experience in his or her chosen field of technology as well as insight into current research and development work, and
- demonstrate both broad knowledge of his or her chosen field of technology, including knowledge of mathematics and the natural sciences, as well as a considerable degree of specialised knowledge in certain areas of the field.

Competence and skills

For a Master of Science in Engineering the student shall

- demonstrate the ability to identify, formulate and deal with complex issues independently and critically and with a holistic approach and also to participate in research and development work and so contribute to the formation of knowledge
- demonstrate the ability to create, analyse and critically evaluate various technological solutions
- demonstrate the ability to plan and use appropriate methods to undertake advanced tasks within predetermined parameters
- demonstrate the ability to integrate knowledge critically and systematically as well as the ability to model, simulate, predict and evaluate sequences of events even with limited information
- demonstrate the ability to develop and design products, processes and systems while taking into account the circumstances and needs of individuals and the targets for economically, socially and ecologically sustainable development set by the community
- demonstrate the capacity for teamwork and collaboration with various constellations, and
- demonstrate the ability to present his or her conclusions and the knowledge and arguments on which they are based in speech and writing to different audiences in both national and international contexts.

Judgement and approach

For a Master of Science in Engineering the student shall

- demonstrate the ability to make assessments informed by relevant disciplinary, social and ethical aspects as well as awareness of ethical aspects of research and development work
- demonstrate insight into the possibilities and limitations of technology, its role in society and the responsibility of the individual for how it is used, including both social and economic aspects and also environmental and occupational health and safety considerations, and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Master of Science in Engineering is completion by the student of an independent project (degree project) for at least 30 credits.

Miscellaneous

Specific requirements determined by the each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Master of Science in Engineering.

At Karlstad University, the course requirements for a Master of Science in Engineering must be completed within the curriculum of the Engineering programme of study.

In addition to the outcomes stated in the Higher Education Ordinance, the student is expected to have acquired during his or her course of study such knowledge within the fields of liberal arts, social sciences and gender studies as is relevant for the role of an engineer.

Karlstad University issues Master of Science degrees in Engineering within the following specialisations:

Civilingenjörsexamen ¹
 Datateknik
Degree of Master of Science in Engineering
Computer Science

Civilingenjörsexamen ¹
 Informationsteknologi
Degree of Master of Science in Engineering
Information Technology

Civilingenjörsexamen
 Energi- och miljöteknik
Degree of Master of Science in Engineering
Environmental and Energy Engineering

Civilingenjörsexamen
 Industriell ekonomi
Degree of Master of Science in Engineering
Industrial Engineering and Management

Civilingenjörsexamen
 Kemiteknik

*Degree of Master of Science in Engineering
Chemical Engineering*

Civilingenjörsexamen
Maskinteknik
*Degree of Master of Science in Engineering
Mechanical Engineering*

Civilingenjörsexamen
Teknisk fysik
*Degree of Master of Science in Engineering
Engineering Physics*

¹ The Degree of Master of Science in Engineering: Computer Science replaces the specialisation Information Technology (Faculty Board decision of 14 May 2009). A Degree of Master of Science in Engineering with Computer Science specialisation can be issued by request till 30 June 2014.

Postgraduate Diploma in Specialist Nursing [Specialistsjuksköterskeexamen]
In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Postgraduate Diploma in Specialist Nursing with a defined specialisation is awarded after the student has completed the courses required to gain 60 credits, with the exception of the specialisation in Primary Health Care when the diploma is awarded after the student has completed the courses required to gain 75 credits.

In addition the student shall have been registered by Socialstyrelsen [Swedish National Board of Health and Welfare] as a nurse.

Outcomes

For a Postgraduate Diploma in Specialist Nursing the student shall demonstrate the knowledge and skills required to work independently as a specialist nurse.

Knowledge and understanding

For a Postgraduate Diploma in Specialist Nursing the student shall, in the specific specialisation,

- demonstrate knowledge of the disciplinary foundation of the field and insight into current research and development work as well as the links between research and proven experience and the significance of these links for professional practice, and
- demonstrate specialised knowledge of the planning, management and coordination of health care measures.

Competence and skills

For a Postgraduate Diploma in Specialist Nursing the student shall, in the specific specialisation,

- demonstrate specialised skills in identifying health care needs and drawing up care programmes independently and in collaboration with the patient and those close to them
- demonstrate the ability to direct and evaluate health care interventions

- demonstrate specialised skills in initiating, undertaking and evaluating health promotion and preventive interventions
- demonstrate the ability to integrate knowledge and also to analyse, assess and deal with complex issues and situations
- demonstrate the ability to participate in or undertake independently examinations and treatment, including palliative care, and
- demonstrate the capacity to act as a nursing instructor.

Judgement and approach

For a Postgraduate Diploma in Specialist Nursing the student shall, in the specific specialisation, -demonstrate self-awareness and the capacity for empathy

- demonstrate the ability to assess interventions using a holistic approach to individuals informed by the relevant disciplinary, social and ethical aspects and taking particular account of human rights
- demonstrate the ability to adopt a professional approach to patients and those close to them, and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Postgraduate Diploma in Specialist Nursing is completion by the student of an independent project (degree project) of at least 15 credits.

Miscellaneous

A requirement for the award of a Postgraduate Diploma in Specialist Nursing is completion by the student of a placement adapted in extent to the needs of each specialisation.

The diploma certificate shall state the specialisation for which the diploma has been issued. Specific requirements determined by the each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Postgraduate Diploma in Specialist Nursing.

For a Postgraduate Diploma in Specialist Nursing at Karlstad University, the course requirements must have been completed within the curriculum of the specific specialisation of the Specialist Nursing Programme.

Postgraduate Diploma in Special Needs Training [Speciallärarexamen]

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Karlstad University offers the specialisations

- the development of language, writing and reading
- learning disabilities

Scope

A Postgraduate Diploma in Special Needs Training with the defined specialisation is awarded after the student has completed the courses required to gain 90 credits. In addition the prior award of a Degree of Bachelor/Degree of Master of Arts in Primary Education, Degree of Master of Arts/Science in Secondary Education, Higher Education Diploma in Vocational Education, Degree of Bachelor of Arts/Science in Early Years Education or a corresponding previous qualification is required.

A Postgraduate Diploma in Special Needs Training is awarded with specialisation in

- the development of language, writing and reading,
- mathematical development,
- deafness and hearing disabilities,
- visual disabilities,
- serious language disabilities, and
- learning disabilities.

For specialisation in the development of language, writing and reading prior award of a qualification including subject studies in Swedish or in the domain of language, writing and reading development is required. If a previously awarded qualification does not include these subject studies, students are required instead to supplement their qualifications with the corresponding knowledge.

For specialisation in mathematical development prior award of a qualification including subject studies in mathematics or in the domain of mathematical development is required. If a previously awarded qualification does not include these subject studies, students are required instead to supplement their qualifications with the corresponding knowledge.

Outcomes

For a Postgraduate Diploma in Special Needs Training the student shall display the knowledge and skills required to work independently as a special needs teacher for children and pupils who need special support.

Knowledge and understanding

For a Postgraduate Diploma in Special Needs Training the student shall

- demonstrate knowledge of the disciplinary foundation of the field and insight into current research and development work as well as the links between research and proven experience and the significance of these links for professional practice
- demonstrate knowledge of children and pupils who need special support from a historical perspective,
- demonstrate specialised knowledge of linguistic and conceptual development in children and pupils and how this is stimulated,
- demonstrate specialised knowledge of assessment issues and setting grades, and
- demonstrate specialised knowledge of children's and pupils' learning and, depending on the specialisation selected, specialised knowledge of
 - the development of language, writing and reading in children and pupils,
 - the development of mathematics in children and pupils,
 - children and pupils who are deaf or have hearing disabilities and the general development of their knowledge acquisition in relation to teaching subjects or subject areas,
 - children and pupils with visual disabilities and the general development of their knowledge acquisition in relation to teaching subjects or subject areas,
 - children and pupils with serious language disabilities and the general development of their knowledge acquisition in relation to teaching subjects or subject areas, or
 - children and pupils with learning disabilities and the general development of their knowledge acquisition in relation to teaching subjects or subject areas.

Competence and skills

For a Postgraduate Diploma in Special Needs Training the student shall

- demonstrate the ability to initiate, analyse and participate in preventive measures and in the work of removing obstacles and difficulties in different learning environments independently and critically
- demonstrate the ability to take part in the work of designing and implementing action plans for individual children and pupils in collaboration with those concerned, as well as the ability to support children and pupils and develop learning environments,
- demonstrate the ability to act as somebody to whom others may, depending on the specialisation selected, turn for qualified discussion and advice on issues concerning
 - the development of language, writing and reading in children and pupils,
 - the development of mathematics in children and pupils,
- learning and the acquisition of knowledge by children and pupils who are deaf or have hearing disabilities,
- learning and the acquisition of knowledge by children and pupils who have visual disabilities,
- learning and the acquisition of knowledge by children and pupils who have serious language disabilities, or
- learning and the acquisition of knowledge by children and pupils who have learning disabilities.
- demonstrate the ability to undertake follow up and evaluation as well as to lead the development of educational measures that aim to meet the needs of all children and pupils independently,
- demonstrate specialised skills in undertaking educational studies and in analysing difficulties at individual level in the learning environments in which children or pupils receive teaching and spend their days at school or in early years learning critically and independently, and
- demonstrate a specialised capacity to adapt working methods individually for children and pupils with special needs.

For specialisation in the development of language, writing and reading or mathematics students shall also

- demonstrate the ability to appraise and apply methods for assessing the development of language, writing and reading or of mathematics in children and pupils critically.

Judgement and approach

For a Postgraduate Diploma in Special Needs Training the student shall

- demonstrate self-awareness and the capacity for empathy
- demonstrate the ability within the field of special needs training to make assessments informed by the relevant disciplinary, social and ethical aspects and taking particular account of human rights
- demonstrate the ability to identify ethical aspects of his or her research and development work
- demonstrate insight into the significance of teamwork and cooperation with other types of educational establishments and professional categories, and
- demonstrate the ability to identify the need for further knowledge and undertake ongoing development of his or her skills.

Independent project (degree project)

A requirement for the award of a Postgraduate Diploma in Special Needs Training is completion by the student of an independent project (degree project) for at least 15 credits.

Miscellaneous

The degree certificate shall state the specialisation or specialisations for which the qualification is intended. Specific requirements determined by the each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Postgraduate Diploma in Special Needs Training.

Degree of Master of Arts in Secondary Education, Degree of Master of Arts in Upper Secondary Education [Ämneslärarexamen]

Scope

A Degree of Master of Arts/Science in Secondary Education is awarded in one of two specialisations. A Degree of Master of Arts/Science in Secondary Education with a specialisation in teaching in grades 7-9 of the compulsory school system is awarded after the student has completed the courses required to gain 270 credits. A Degree of Master of Arts/Science in Secondary Education with a specialisation in teaching in the upper-secondary school is awarded after the student has completed the courses required to gain 300 credits, or when required, 330 credits.

For the award of a Degree of Master of Arts/Science in Secondary Education studies in the following areas are required: courses in the subjects and subject-based teaching and learning that are relevant for teaching school subjects for which a syllabus or curriculum has been laid down, core education subjects for 60 credits and a placement in a relevant subject and position for 30 credits.

For the award of a Degree of Master of Arts/Science in Secondary Education with a specialisation in teaching in grades 7-9 of the compulsory school system, the programme shall comprise subject courses and courses in subject-based teaching and learning for 195 credits and study of three teaching subjects. When two of these subjects are Swedish, Social Science or Music, courses in these two subjects alone are required for award of the qualification. The subject courses and courses in subject-based teaching and learning shall include 15 credits for a subject-related placement. Studies shall include at least one specialisation for 90 credits in a relevant subject or subject area. For every other subject included in the qualification at least 45 credits are required. When Swedish, Social Science or Music are included, however, 90 credits in subject areas relevant to these subjects are always required.

Specialisations are offered in a limited number of subject combinations.

For the award of a Degree of Master of Arts/Science in Secondary Education with a specialisation in teaching in the upper-secondary school, the programme shall comprise subject courses and courses in subject-based teaching and learning for 225 credits, or when required 255 credits, and study of two teaching subjects. The subject courses and courses in subject-based teaching and learning shall include 15 credits for a subject-related placement. Studies shall include at least one specialisation for 120 credits in a relevant subject or subject area and one specialisation for 90 credits. When Swedish, Social Science or Music are included, however, 120 credits in subject areas relevant to these subjects are always required.

Specialisations are offered in a limited number of subject combinations.

Courses in core education subjects shall be linked to future professional practice and comprise the following:

- history of the school system, its organisation and conditions as well as core educational values, including fundamental democratic values and human rights
- syllabus theory and subject-based teaching and learning
- theory of knowledge and research methodology
- development, learning and special needs education
- social relationships, conflict management and leadership
- assessment and grading, and evaluation and development processes.

Outcomes

For a Degree of Master of Arts/Science in Secondary Education the student shall demonstrate the knowledge and skills required to work independently as a subject teacher in the specialisation for which the qualification is awarded. The student shall also demonstrate knowledge and skills for other forms of teaching for which the degree, pursuant to the applicable regulations, qualifies him or her.

Knowledge and understanding

For a Degree of Master of Arts/Science in Secondary Education with a specialisation in teaching in grades 7-9 of the compulsory school system the student shall

-demonstrate the subject knowledge required for professional practice, including both an overview of the main fields of the subjects studied and specialised knowledge in certain areas of the fields as well as insight into current research and development work.

For a Degree of Master of Arts/Science in Secondary Education with a specialisation in teaching in the upper-secondary school the student shall:

-demonstrate knowledge and understanding in the main field of study, including both broad knowledge of the field and a considerable degree of specialised knowledge in certain areas of the field as well as specialised insight into current research and development work.

For a Degree of Master of Arts/Science in Secondary Education the student shall also

- demonstrate the knowledge of teaching and learning and subject-based teaching and learning required for the specialisation for which the qualification is awarded and also some awareness of adult learning
- demonstrate specialised knowledge of the theory of knowledge and qualitative and quantitative research methods as well as the relationship between the disciplinary foundation and proven experience and its significance for professional practice
- demonstrate the knowledge about children's development, learning, needs and circumstances required for the specialisation for which the qualification is awarded
- demonstrate knowledge and understanding of social relationships, conflict management and leadership
- demonstrate knowledge of the organisation of the school system, relevant regulatory documents, syllabus theory and different educational and teaching and learning perspectives as well as knowledge of the history of the school system, and

- demonstrate specialised knowledge of assessment and grading.
- Competence and skills

For a Degree of Master of Arts/Science in Secondary Education the student shall

- demonstrate a specialised capacity to create conditions in which all pupils can learn and develop
- display the capacity to benefit from, systematise and reflect critically and independently on personal experience, the experience of others and relevant research findings and thereby contribute to professional development and the formation of knowledge in the subjects, subject areas and subject-based teaching and learning
- demonstrate the capacity to take advantage of the knowledge and experiences of pupils to stimulate the learning and development of every pupil
- demonstrate the capacity to plan, implement, evaluate and develop teaching and educational processes individually and together with others in order to stimulate the learning and development of every pupil in the best way possible
- demonstrate the capacity to identify and in cooperation with others deal with special educational needs
- demonstrate the capacity to observe, document and analyse their pupils' development and learning in relation to educational objectives and to inform and cooperate with pupils and their caregivers
- demonstrate the capacity to communicate and instil core educational values, including human rights and the fundamental democratic values
- demonstrate the capacity to prevent and restrain discrimination and other forms of harassment of children
- demonstrate the capacity to respect, communicate and instil a gender equal and equal rights perspective in educational processes
- demonstrate communicative capacity in listening, speaking and writing to support educational processes
- demonstrate the capacity to use digital aids assuredly and critically in educational processes and to take into account the significance of the role of different media and digital environments in this respect, and
- demonstrate the capacity to acquire during educational processes skills that are valuable for professional practice.

Judgement and approach

For a Degree of Master of Arts/Science in Secondary Education the student shall

- demonstrate self-awareness and the capacity for empathy
- demonstrate the capacity to adopt a professional approach to pupils and their caregivers
- demonstrate the capacity to make assessments in educational processes on the basis of relevant scientific, social and ethical aspects with particular respect for human rights, especially children's rights according to the Convention on the Rights of the Child, and sustainable development, and
- demonstrate the capacity to identify the need for further knowledge and to develop his or her own skills in pedagogical practice.

Independent project (degree project)

A requirement for the award of a Degree of Master of Arts/Science in Secondary Education is completion by the student of an independent project (degree project) for at least 30 credits or

two such projects for at least 15 credits in one or two of the subjects studied during the programme.

Local degree requirement

- demonstrate ability to critically and independently give an account of the meaning of an entrepreneurial approach and creatively apply the perspective in a way that is relevant to current school activities.

Miscellaneous

The degree certificate shall state clearly which specialisation the student has completed and which teaching subject or subjects the qualification comprises.

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Degree of Master of Arts/Science in Secondary Education.

Supplementary educational programmes

Students who have completed a supplementary educational programme may be awarded a Degree of Master of Arts/Science in Secondary Education at first cycle or second cycle level. The Ordinance on supplementary educational programmes leading to the award of a Degree of Master of Arts/Science in Secondary Education (2011:686) lays down the requirements to be fulfilled for the award this qualification.

QUALIFICATIONS AWARDED IN THE FIRST OR SECOND CYCLE

Degree of Master of Arts in Pre School and School Years 1-3/School Years 4-6 [Grundläraexamen] (Degree of Master of Arts in Pre School and Primary Education)

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

At Karlstad University qualifications are awarded for teaching in preschool class and school years 1-3 and 4-6.

Scope

Degree of Bachelor/Degree of Master of Arts in Primary Education is awarded in one of three specialisations. A Degree of Bachelor of Arts in Primary Education with a specialisation in extended school teaching is a first-cycle qualification awarded after the student has completed the courses required to gain 180 credits. The degrees of Degree of Master of Arts/Science in Primary Education with a specialisation in teaching in early years classes and grades 1-3 of the compulsory school and Degree of Master of Arts in Primary Education with a specialisation in teaching in grades 4-6 of the compulsory school are second-cycle qualifications awarded after the student has completed the courses required to gain 240 credits.

For the award of a Degree of Bachelor of Arts in Primary Education studies in the following areas are required: subject courses and course in subject-based teaching and learning that are

relevant for teaching school subjects for which a syllabus or curriculum has been laid down, core education subjects for 60 credits and a placement in a relevant subject and position for 30 credits. For the award of a Degree of Bachelor of Arts in Primary Education with a specialisation in extended school teaching, subject courses and courses in subject-based teaching and learning shall comprise 90 credits, of which 60 credits shall be awarded in the field of extended school education and 30 credits in one or two practical or aesthetic subjects.

För grundlärarexamen med inriktning mot arbete i förskoleklass och grundskolans årskurs 1–3 ska ämnes- och ämnesdidaktiska studier omfatta 165 högskolepoäng i svenska, matematik, engelska, samhällsorienterande ämnen, naturorienterande ämnen och teknik. För svenska och matematik krävs minst 30 högskolepoäng i vardera ämne och för engelska krävs minst 15 högskolepoäng. Av de ämnes- och ämnesdidaktiska studierna ska 15 högskolepoäng utgöra ämnesrelaterad verksamhetsförlagd utbildning.

For the award of a Degree of Master of Arts in Primary Education with a specialisation in teaching in grades 4-6 of the compulsory school, subject courses and courses in subject-based teaching and learning shall comprise 165 credits in Swedish, Mathematics, English, and an elective area of specialisation. At least 30 credits are required in Swedish, in Mathematics and in English. In addition 30 credits are required in one of the areas which students may elect:

- natural science subjects and technology
- social science subjects, or
- one or two practical or aesthetic subjects.

Of the credits awarded for subject courses and courses in subject-based teaching and learning 15 shall be awarded for subject-related placement.

Courses in core education subjects shall be linked to future professional practice and comprise the following:

- history of the school system, its organisation and conditions as well as the core values of early years education, including fundamental democratic values and human rights
- syllabus theory and subject-based teaching and learning
- theory of knowledge and research methodology
- development, learning and special needs education
- social relationships, conflict management and leadership
- assessment and grading, and evaluation and development processes.

Knowledge and understanding

For a Degree of Bachelor of Arts in Primary Education with a specialisation in extended school education the student shall:

- demonstrate the knowledge required in the field of extended education and the subject knowledge, including awareness of current research and development work, required for professional practice
- demonstrate the knowledge of teaching and learning and subject-based teaching and learning required for professional practice
- demonstrate knowledge of communicative and linguistic development in children as well as knowledge of the fundamental acquisition of reading, writing and mathematical skills
- demonstrate knowledge of practical and aesthetic learning processes
- demonstrate knowledge of the theory of knowledge and qualitative and quantitative research methods as well as the relationship between the disciplinary foundation and proven experi-

ence and its significance for professional practice, and
 - demonstrate knowledge of the assessment of pupils' learning and development.

Outcomes

For a Degree of Bachelor of Arts/degree of Master or Arts in Primary Education the student shall demonstrate the knowledge and skills required to work independently as a primary teacher in the specialisation for which the qualification is awarded. The student shall also demonstrate knowledge and skills for other forms of teaching for which the degree, pursuant to the applicable regulations, qualifies him or her.

For a Degree of Master of Arts in Primary Education with a specialisation in teaching in early years classes and grades 1-3 of the compulsory school the student shall

- demonstrate the subject knowledge, including awareness of current research and development work, required for professional practice
- demonstrate the knowledge of teaching and learning and subject-based teaching and learning required for professional practice
- demonstrate specialised knowledge of the fundamental acquisition of reading, writing and mathematical skills and of communicative and linguistic development in children
- demonstrate awareness of practical and aesthetic learning processes
- demonstrate knowledge of the theory of knowledge and qualitative and quantitative research methods as well as the relationship between the disciplinary foundation and proven experience and its significance for professional practice, and demonstrate specialised knowledge of assessing and grading pupils' learning and development.

For a Degree of Master of Arts in Primary Education with a specialisation in teaching in grades 4-6 of the compulsory school the student shall

- demonstrate the subject knowledge, including awareness of current research and development work, required for professional practice
- demonstrate the knowledge of teaching and learning and subject-based teaching and learning required for professional practice
- demonstrate specialised knowledge of the development of reading, writing and mathematical skills
- demonstrate awareness of practical and aesthetic learning processes
- demonstrate knowledge of the theory of knowledge and qualitative and quantitative research methods as well as the relationship between the disciplinary foundation and proven experience and its significance for professional practice, and demonstrate specialised knowledge of assessment and grading.

For a Degree of Bachelor/Degree of Master of Arts in Primary Education the student shall also:

- demonstrate the knowledge about children's development, learning, needs and circumstances required for professional practice
- demonstrate knowledge and understanding of social relationships, conflict management and leadership, and

- demonstrate knowledge of the organisation of the school system, relevant regulatory documents, syllabus theory and different educational and teaching and learning perspectives as well as knowledge of the history of the school system.

Local degree requirement

- demonstrate ability to critically and independently give an account of the meaning of an entrepreneurial approach and creatively apply the perspective in a way that is relevant to current school activities.

Miscellaneous

The degree certificate shall state clearly which specialisation the student has completed and which teaching subject or subjects the qualification comprises.

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Degree of Bachelor/Degree of Master of Arts in Primary Education.

THIRD-CYCLE QUALIFICATIONS

Degree of Licentiate [Licentiatexamen]

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Degree of Licentiate is awarded

either after a third-cycle student has completed a study programme of at least 120 credits in a subject in which third-cycle teaching is offered,

or after a third-cycle student has completed one part comprising at least 120 credits of a study programme intended to conclude with the award of a PhD, if a higher education institution decides that a Degree of Licentiate of this kind may be awarded at the institution.

Outcomes

Knowledge and understanding

For a Degree of Licentiate the third-cycle student shall demonstrate knowledge and understanding in the field of research including current specialist knowledge in a limited area of this field as well as specialised knowledge of research methodology in general and the methods of the specific field of research in particular.

Competence and skills

For a Degree of Licentiate the third-cycle student shall have:

- demonstrate the ability to identify and formulate issues with scholarly precision critically, independently and creatively, and to plan and use appropriate methods to undertake a limited piece of research and other qualified tasks within predetermined time frames in order to contribute to the formation of knowledge as well as to evaluate this work
- demonstrate the ability in both national and international contexts to present and discuss research and research findings in speech and writing and in dialogue with the academic com-

munity and society in general, and

- demonstrate the skills required to participate independently in research and development work and to work independently in some other qualified capacity.

Judgement and approach

For a Degree of Licentiate the third-cycle student shall

- demonstrate the ability to make assessments of ethical aspects of his or her own research
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

Thesis

For a Degree of Licentiate the third-cycle student shall have been awarded a pass grade for a research thesis of at least 60 credits.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Degree of Licentiate with a defined specialisation.

At Karlstad University the following requirements have to be satisfied for the Degree of Licentiate:

Degree of Licentiate [Licentiatexamen]

- completed second-cycle qualifications
- completed course requirements worth 120 credits, including a thesis worth at least 60 credits

The following licentiate degrees are issued at Karlstad University:

Degree of Licentiate of Philosophy in...

Degree of Licentiate of Philosophy in Business and Economics

Degree of Licentiate of Philosophy in Science

In accordance with a special decision taken by the Faculty Board of Arts and Education, Karlstad University also issues

Degree of Licentiate of Philosophy in Theology

Degree of Doctor

In accordance with the Higher Education Ordinance, Annex 2 (Qualifications Ordinance)

Scope

A Degree of Doctor is awarded after the third-cycle student has completed a study programme of 240 credits in a subject in which third-cycle teaching is offered.

Outcomes

Knowledge and understanding

For the Degree of Doctor the third-cycle student shall

- demonstrate broad knowledge and systematic understanding of the research field as well as advanced and up-to-date specialised knowledge in a limited area of this field, and
- demonstrate familiarity with research methodology in general and the methods of the specific field of research in particular.

Competence and skills

For the Degree of Doctor the third-cycle student shall

- demonstrate the capacity for scholarly analysis and synthesis as well to review and assess new and complex phenomena, issues and situations independently and critically
- demonstrate the ability to identify and formulate issues with scholarly precision critically, independently and creatively, and to plan and use appropriate methods to undertake research and other qualified tasks within predetermined time frames and to review and evaluate such work
- demonstrate through a dissertation the ability to make a significant contribution to the formation of knowledge through his or her own research
- demonstrate the ability in both national and international contexts to present and discuss research and research findings authoritatively in speech and writing and in dialogue with the academic community and society in general
- demonstrate the ability to identify the need for further knowledge and
- demonstrate the capacity to contribute to social development and support the learning of others both through research and education and in some other qualified professional capacity.

Judgement and approach

For the Degree of Doctor the third-cycle student shall

- demonstrate intellectual autonomy and disciplinary rectitude as well as the ability to make assessments of research ethics, and
- demonstrate specialised insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used.

Research thesis (doctoral thesis)

For the Degree of Doctor the third-cycle student shall have been awarded a pass grade for a research thesis (doctoral thesis) of at least 120 credits.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Degree of Doctor with a defined specialisation. Ordinance (2008:132)

At Karlstad University the following requirements have to be satisfied for the Degree of Doctor:

Degree of Doctor of Philosophy [Doktorsexamen]

- completed second-cycle qualifications
- completed course requirements worth 240 credits, including a thesis worth at least 120 credits

The following Doctor of Philosophy degrees are issued by Karlstad University

Filosofie doktorsexamen (*Degree of Doctor of Philosophy in.....*)

Ekonomie doktorsexamen (*Degree of Doctor of Philosophy in.....*)

Teknologie doktorsexamen (*Degree of Doctor of Philosophy in.....*)

In accordance with a special decision taken by the Faculty Board of Arts and Education, Karlstad University also issues

Teologie doktorsexamen (*Degree of Doctor of Philosophy in.....*)

TRANSITIONAL PROVISIONS

This Local Qualifications Ordinance for Karlstad University Dnr C2013/723 is effective from 2013-xx-xx and replaces local ordinance Dnr C2010/217.

The previous local qualification ordinance at Karlstad University Dnr C2004/10 is valid until 30 June 2015.

Only those points which apply to degrees issued in accordance with transitional regulations are treated below (SFS 2006:1053). For all others, the text of the Ordinance applies.

4. The previous regulations shall apply for degrees issued after the end of June, 2007, if the programme for which the degree certificate is valid has been completed in its entirety before then.
5. A student who entered a programme in accordance with the previous regulations in Annex 2 (Qualifications Ordinance) before July 1, 2007, or was accepted to the programme before then but received permission to postpone the commencement of it, has the right to complete his or her programme of study leading up to a degree in accordance with the previous regulations, but no later than the end of June, 2015.
6. A credit point which has been awarded as part of the scope of higher education studies in the first, second or third cycle before July 1, 2007, is equivalent to 1.5 credits in accordance with the new regulations.
7. The scope of qualifications which are issued in accordance with the previous regulations after the end of June, 2007, as stated in transitional regulations 4 and 5 above, shall be defined in terms of credit points as is stated in the previous regulations. In the degree certificate for qualifications described in regulation 5, the corresponding scope of the degree shall also be given in terms of credits as is stated in the new regulations.
8. The term third cycle study in the new regulations is equivalent to the term postgraduate study in the previous regulations.

9. If a second cycle qualification issued under the new regulations requires previous first-cycle study or qualifications, a student who has completed equivalent higher education study or qualifications at that level shall be eligible for a degree.

13. Transitional regulation #4 in the Law (2006:173) about changes in the Higher Education Law (1992:1434) states that the decision made by the government or the Swedish National Agency for Higher Education about authorisation to issue degrees in accordance with the previous regulations still applies.

16. The regulations in the first paragraph of ch. 6, § 10, about the degree certificate including information on the cycle for which a degree is given shall not apply for degrees issued in accordance with the previous regulations.

TRANSITIONAL PROVISIONS FOR TEACHER EDUCATION QUALIFICATIONS (SFS 2011:186)

2. A student who has entered a teacher education or special education study programme before 1 July 2011 under the previous ordinance, or who before this date was admitted to such a study programme but was granted deferment, has the right to complete their education and be awarded a teacher education or a special education degree in accordance with the previous ordinance, but no later than the end of June 2018 for the special education degree and no later than the end of June 2020 for the teacher education degree.

Huvudområden vid Karlstads universitet 2013-11-11

Huvudområde	Högskole-examen	Kandidat-examen	Magister-examen	Master-examen	Forskar-examen
Arbetsvetenskap	X	X	X	X	X
Biologi	X	X	X	X	X
Biomedicin	X				
Biomedicinsk laboratorievetenskap	X	X	X		
Biomedicinsk vetenskap ¹					X
Datavetenskap	X	X	X	X	X
Elektroteknik	X	X	X	X	
Engelska	X	X	X	X	X
Farmaci	X	X			
Filmvetenskap	X	X	X		
Folkhälsovetenskap	X	X	X	X	X
Fysik	X	X	X	X	X
Företagsekonomi	X	X	X	X	X
Genusvetenskap ¹⁰	X	X	X		
Geografi	X	X			
Historia	X	X	X	X	X
Hälsa- och välfärd i förändring ²			X	X	
Hälsöfrämjande arbete	X				
Idrottsvetenskap	X	X			
Industriell ekonomi			X	X	
Informatik	X	X	X	X	X
Kemi	X	X	X	X	X
Kemiteknik	X	X	X	X	X
Kulturgeografi	X	X	X	X	X
Kulturstudier	X	X	X		
Litteraturvetenskap	X	X	X	X	X
Maskinteknik	X	X	X	X	
Matematik	X	X	X	X	X
Materialteknik					X
Materialvetenskap					X
Medie- och kommunikationsvetenskap	X	X	X	X	X
Miljö- och energisystem	X	X	X	X	X
Miljövetenskap	X	X	X		
Musikalisk gestaltning	X	X			
Mät- och kartteknik	X				
Nationalekonomi	X	X	X		
Naturgeografi	X	X			
Offentligt ledarskap, styrning och samverkan				X	
Omvårdnad	X	X	X	X	X

Oral hälsa	X	X			
Pedagogik ³	X	X	X	X	X
Pedagogiskt arbete ⁴			X	X	X
Projektledning			X		
Psykologi	X	X	X	X	X
Religionsvetenskap	X	X			
Risk- och miljöstudier ⁵					X
Rättsvetenskap	X	X	X		
Samhällelig riskhantering			X	X	
Skatterätt			X		
Social omsorgsvetenskap ⁶	X	X			
Socialt arbete	X	X	X	X	X
Sociologi	X	X	X	X	X
Spanska	X	X			
Specialpedagogik ⁷	X	X	X		
Statistik	X	X			
Statsvetenskap	X	X	X	X	X
Svenska språket	X	X	X		
Utbildningsvetenskap ⁸					
Teknisk fysik	X	X	X	X	
Turismvetenskap	X	X			
Välfärdsarbete i ett europeiskt perspektiv ⁹			X		

¹ Examensrätten på avancerad nivå upphörde 2012-11-28 RB 146/12.

² Examensrätten gäller till och med 2013-12-31.

³ Nytt beslut Examensrätten på grund och avancerad nivå till och med 2016-12-31.

⁴ Nytt beslut Examensrätten gäller från och med 2013-01-01

⁵ Huvudområdet inrättat 2012-12-12

⁶ Examensrätten gäller till och med 2013-12-31.

⁷ Nytt beslut Examensrätt gäller från och med 2013-01-01.

⁸ Huvudområdet upphörde 2012-12-13.

⁹ Examensrätten gäller till och med 2013-12-31.

¹⁰ Examensrätten för magisterexamen gäller från och med 2014-01-01, RB 157/13.