

# Local System of Qualifications

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**Description:**

The local system of qualifications includes national regulations (mainly the Higher Education Act, SFS 1992:1434, and the Higher Education Ordinance, SFS 1993:100, incl. Appendix 2 – System of Qualifications) as well as the University's local regulations. The local regulations have been designed in accordance with the Swedish Council for Higher Education's provisions and general advice on translating Swedish degrees into English (UHRFS 2013:6). The Association of Swedish Higher Education's recommendations concerning Swedish names for degree designations and their English translations (SUHF Rek 2010:2) have also been taken into account.

*Disclaimer: In case of a discrepancy between the Swedish and the English version of the decision, the Swedish version will prevail.*

## Introduction

The government decides what qualifications may be awarded by higher education institutions. All universities have the general authority to award the following qualifications: higher education diploma, degree of bachelor, degree of master (60 credits), degree of master (120 credits), degree of licentiate, and degree of doctor. A qualification can only be awarded if the training meets the requirements specified in the Higher Education Act, the Higher Education Ordinance, and the university's own policy documents.

All qualifications are placed within one of the three education cycles: first cycle (bachelor's level), second cycle (master's level), and third cycle (doctoral level). A title of qualification consists of a degree as specified in the Higher Education Ordinance; where relevant, it is preceded or followed by a designation indicating the area of specialisation.

Each higher education institution can adopt local regulations concerning, for example, what main fields of study should be available, what designations general qualifications should have, and what specific local requirements should apply in addition to the requirements of the national qualification descriptors.

The local system of qualifications includes national regulations (mainly the Higher Education Act, SFS 1992:1434, and the Higher Education Ordinance, SFS 1993:100, incl. Appendix 2 – System of Qualifications) as well as the University's local regulations. The local regulations have been designed in accordance with the Swedish Council for Higher Education's provisions and general advice on translating Swedish degrees into English (UHRFS 2013:6). The Association of Swedish Higher Education's recommendations concerning Swedish names for degree designations and their English translations (SUHF Rek 2010:2) have also been taken into account.

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Annex

Example of Degree Certificates

## 1 University-wide provisions for first-, second-, and third-cycle general qualifications

### 1.1. Determining the main field of study (first- and second-cycle qualifications) and subject area (third-cycle qualifications)

#### *National regulations as specified in the Higher Education Ordinance*

The *Higher Education Ordinance, Appendix 2 – System of Qualifications* specifies the qualitative targets of general first- and second-cycle qualifications in relation to the *main field of study*. For bachelor's and master's degrees, it also specifies requirements for progressive specialisation in the *main field of study*.

Third-cycle general qualifications are awarded upon completion of a study programme within a third-cycle *subject area*.

#### *Local regulations*

The President has decided rules for the use of the terms main field of study, specialization within the main field of study, subject area and the level of progression in courses.

The President decides on main fields of study and subject areas that transcend the academic area boards areas of responsibility, based on proposals from the academic area boards. This document occasionally refers to the academic area boards as decision-making bodies; however, some decisions have been delegated to the faculty boards (see the decision-making and delegation procedures of each respective academic area board).

Otherwise, the academic area boards determine the *main field of study* for first- and second-cycle qualifications. The academic area boards can also determine a *specialisation* within a main field of study. When it comes to third-cycle qualifications, the academic area boards determine the *subject area*. The academic area boards can also determine a *specialisation* within a subject area. The main field of study, specialisation (where relevant), and subject area must be specified in the degree certificate. If a specialisation within a third-cycle subject area must be included in the degree certificate, this must be specified in the general syllabus and reported to Student Services. See Section 8 Degree certificates for general provisions relating to degree certificates.

A separate list of all main fields of study, specialisations, and subject areas is available on the University's website ([www.su.se](http://www.su.se)) and updated by Student Services at least twice a year based on the academic area boards' decisions.

### 1.1.1 Requirements concerning specialised study in the main field

#### *Local regulations*

The academic area boards determine the specific requirements concerning specialisations and *specialised study* in the main field. These requirements are specified in the local qualification descriptors. See Section 7.2 Local qualification descriptors for general first- and second-cycle qualifications.

### 1.1.2 Requirements concerning complementary studies for a qualification

#### *Local regulations*

First- and second-cycle qualifications may include *complementary studies*, i.e. studies outside of the main field. The academic area boards determine the scope and focus of the complementary studies that are required for a particular qualification. These requirements are specified in the local qualification descriptors. See Section 7.2 Local qualification descriptors for general first- and second-cycle qualifications.

## 1.2 Titles of general qualifications and third-cycle qualifications

### 1.2.1 Designations

#### *National regulations as specified in the Higher Education Ordinance*

The title of a qualification consists of a qualification as specified in the System of Qualifications (Higher Education Ordinance, Appendix 2) preceded or followed, where relevant, by a designation indicating the area of specialisation. Each higher education institution determines what designations to use. As the qualification descriptors indicate, for certain qualifications, each higher education institution must determine an area of specialisation.

#### *Local regulations*

Titles of general first- and second-cycle qualifications, as well as third-cycle qualifications, include a designation. If the Vice-Chancellor has entered into a collaborative agreement on joint degrees, qualifications can be issued without a designation. The Vice-Chancellor determines what *designations* will be used following proposals from the academic area boards. The academic area boards determine which courses and programmes will result in a specific title of qualification. The title of a third-cycle qualification may, following specific decisions by the academic area board, be governed by the doctoral student's qualifying training.

Student Services notifies the Swedish Council for Higher Education of what designations in Swedish the University has determined will be used for each qualification.

### 1.2.2 Translations

#### *National regulations as specified in the Higher Education Ordinance*

A translation of the title of the qualification must reflect the scope and (where relevant) the area of specialisation, as well as the cycle in which the qualification is awarded.



The Swedish Council for Higher Education may issue regulations on the translation of qualifications into English. Each higher education institution decides on the translation of a qualification in the degree certificate into languages other than English after consulting with the Swedish Council for Higher Education concerning the legal status that a translation of the qualification may have in other countries.

Each higher education institution determines how to translate the designations it uses. The higher education institution must notify the Swedish Council for Higher Education of the designations it has decided will be used for each qualification in Swedish, as well as their translation into English.

Each higher education institution may also notify the Swedish Council for Higher Education of the translation of titles of qualifications into languages other than English.

#### *Local regulations*

The academic area boards determine how the titles of qualifications should be translated into English. The University follows the Swedish Council for Higher Education's provisions and general advice on translating Swedish degrees into English (UHRFS 2013:6) and considers the Association of Swedish Higher Education's recommendations concerning Swedish names for degree designations and their English translations (SUHF Rek 2010:2).

Student Services notifies the Swedish Council for Higher Education of what English *translations* of titles of qualifications are used.

## 2 University-wide provisions for first- and second-cycle qualifications

### 2.1 General qualification requirements

#### *Local regulations*

Since 1 July 2007, all qualifications comprise an *exact number* of higher education credits. A course with excess credits may be included in the degree certificate if the course is necessary to fulfil the qualification requirements; however, the excess credits cannot be included in the total number of credits in the qualification.

Any courses to be included in a qualification must be *fully completed with a passing grade*. A module or part of a course can be included in a qualification if it is clearly definable and credited by the department providing the course.

Any education or vocational experience to be included in a qualification by means of credit transfer must be equivalent to Swedish higher education.

Courses transferred in their entirety are listed in the degree certificate without grades.

In order for a course to be included in a professional qualification, it must be a part of the programme syllabus; alternatively, the credits can be transferred in accordance with the programme syllabus. This must be documented in Ladok.

Any courses with fully *overlapping* content cannot be included in the same degree. If the course content only partially overlaps, the courses can be included in the same degree, provided that a deduction of higher education credits corresponding to the overlap is made in the degree certificate.

The academic area boards determine, by means of qualification descriptors for general qualifications and programme syllabi for professional qualifications, the *specific (local) requirements* for general and professional qualifications that apply within the framework of the requirements specified in the Higher Education Ordinance's qualification descriptors, including outcomes for qualifications. See Section 7.2 Local qualification descriptors for general first- and second-cycle qualifications.

### 2.2. Multiple qualifications

#### 2.2.1 General qualifications

##### *Local regulations*

A student can only be awarded one bachelor's degree, one master's degree (60 credits), and one master's degree (120 credits) within a specific main field of study. However, a student can be awarded two or more general qualifications in different main fields of study and use the same courses in different degrees, provided that the student fulfils the qualification



requirements for each respective degree. However, one degree project can only form the basis of one bachelor's or master's degree. If there are strong reasons for allowing more than one bachelor's or master's degree in a specific main field of study, due to the main field being divided into several specialisations, the President may grant an exemption at the request of the relevant academic area board. The exemption should apply to the main field of study and its specialisations in general; it should not refer to a specific student.

### 2.2.2 Professional qualifications

#### *Local regulations*

Courses that form the basis of one professional qualification can also form the basis of another professional qualification. However, one degree project can only form the basis of one professional qualification. In cases where two degree projects are required for a qualification, this rule applies to both degree projects.

Before the local system of qualifications entered into effect on 2014-01-01, it was permitted to include another professional qualification in a Master of Law degree. Students who began their studies in both programmes prior to this date will thus continue to have this opportunity.

### 2.2.3 General qualifications and professional qualifications

#### *Local regulations*

Courses that form the basis of a professional qualification can also, fully or partially, form the basis of a general qualification, provided that the qualification requirements are fulfilled.

### 3 First-cycle qualifications

#### 3.1 General qualifications

##### 3.1.1 Higher Education Diploma

###### *National regulations as specified in the Higher Education Ordinance*

###### *Scope*

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

###### *Degree project*

For a Higher Education Diploma, the student must complete a degree project within the main field of study.

###### *Miscellaneous*

Higher Education Diplomas with a particular specialisation are also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

###### *Local regulations*

Higher Education Diplomas can be introduced by the Vice-Chancellor following a proposal from an academic area board. Higher Education Diplomas should be based on studies within a coherent study programme. The scope of the degree project within the main field of study should be determined in connection with the introduction. Thus far, none of the academic area boards have proposed that Higher Education Diplomas be introduced.

##### 3.1.2 Degree of Bachelor of Arts/Science/Legal Science/Science in Business and Economics)

###### *National regulations as specified in the Higher Education Ordinance*

###### *Scope*

A Degree of Bachelor is awarded after the student has completed the courses required to gain 180 higher education credits in a defined specialisation determined by each higher education institution, of which at least 90 credits constitute progressive specialisation in the main field of study.

###### *Degree project*

For a Degree of Bachelor, the student must complete a degree project worth at least 15 credits within the main field of study.

###### *Miscellaneous*

A Degree of Bachelor with a particular specialisation is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

### *Local regulations*

Bachelor's degrees mainly include first-cycle courses. It is not permitted to add requirements to a local qualification descriptor for a second-cycle course to be included in a bachelor's degree. However, a bachelor's degree may include non-mandatory second-cycle courses worth a total maximum of 30 higher education credits.

#### 3.1.2.1 Designations and translations

### *National regulations as specified in the Higher Education Ordinance*

Each higher education institution determines what designations to use.

### *Local regulations*

The following designations are used for bachelor's degrees:

- ...of Arts/Science/Legal Science (*filosofie*)
- ...of Science in Business and Economics (*ekonomie*)
- ...of Science (*politices*)
- ...of Science (*naturvetenskaplig*)

The designation "...of Arts" (*filosofie*) is used within the Faculty of Humanities for all main fields of study.

Within the Faculty of Social Sciences, the designation "...of Science in Business and Economics" (*ekonomie*) is used for the following:

- Degree of Bachelor with economics as the main field of study, including at least 30 higher education credits of business administration;
- Degree of Bachelor with business administration as the main field of study, including at least 30 higher education credits of economics.

Within the Faculty of Social Sciences, the designation "...of Science" (*politices*) is used for the following:

- Degree of Bachelor resulting from the Bachelor's Programme in Economics and Political Science;
- Degree of Bachelor resulting from a combination of 90 higher education credits (including a degree project worth 15 credits) in economics or political science as the main field of study and at least 60 higher education credits in the field of study (economics or political science) that is not the main field of study for the degree.

Other bachelor's degrees within the Faculty of Social Sciences carry the designation "...of Science" (*filosofie*).

Within the Faculty of Law, the designation "...of Legal Science" (*filosofie*) is used for bachelor's degrees with law as the main field of study.

Within the Faculty of Science, the designation "...of Science" (*filosofie*) is used for the following main fields of study:

- Computer Science

- Geography
- Mathematics
- Mathematical Statistics

Other main fields of study within the Faculty of Science carry the designation “...of Science” (*naturvetenskaplig*).

### 3.2 Professional qualifications

#### 3.2.1 Degree of Bachelor of Arts in Pre-School Education (Förskollärarexamen)

##### *National regulations as specified in the Higher Education Ordinance*

###### *Scope*

A Degree of Bachelor of Arts in Pre-School Education is awarded after the student has completed the courses required to gain 210 higher education credits.

Studies in the following areas are required in order to obtain the qualification: courses in the field of early years education worth 120 credits, core education subjects worth 60 credits, and relevant work placement worth 30 credits.

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

- the history, organisation and conditions of the school system, as well as the core values of early years education, including fundamental democratic values and human rights;
- curriculum theory and didactics;
- theory of knowledge and research methodology;
- development, learning and special needs education;
- social relationships, conflict management and leadership;
- assessment and analysis of learning and development;
- evaluation and development processes.

###### *Degree project*

For a Degree of Bachelor of Arts in Pre-school Education, the student must complete a degree project worth at least 15 credits in the field of early years education.

###### *Miscellaneous*

The Degree of Bachelor of Arts in Pre-School Education is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

###### *Local regulations*

See the programme syllabus.

### 3.2.2 Degree of Bachelor of Science in Social Work (Socionomexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

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

##### *Degree project*

For a Degree of Bachelor of Science in Social Work, the student must complete a degree project worth at least 15 credits.

##### *Miscellaneous*

The Degree of Bachelor of Science in Social Work is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

##### *Local regulations*

See the programme syllabus.

### 3.2.3 Degree of Bachelor of Arts in Study and Career Guidance (Studie- och yrkesvägledarexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

A Degree of Bachelor of Arts in Study and Career Guidance is awarded after the student has completed the courses required to gain 180 higher education credits.

##### *Degree project*

For a Degree of Bachelor of Arts in Study and Career Guidance, the student must complete a degree project worth at least 15 credits.

##### *Miscellaneous*

For a Degree of Bachelor of Arts in Study and Career Guidance, the student must complete supervised work placement.

The Degree of Bachelor of Arts in Study and Career Guidance is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

##### *Local regulations*

See the programme syllabus.

### 3.2.4 Higher Education Diploma in Vocational Education (Yrkeslärarexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

A Higher Education Diploma in Vocational Education is awarded after the student has completed the courses required to gain 90 higher education credits.

Studies in the following areas are required in order to obtain the qualification: courses in core education subjects worth 60 credits and work placement worth 30 credits in a relevant position and subject. Courses in the core education subjects must be linked to future professional practice and comprise the following:

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

#### *Miscellaneous*

The Higher Education Diploma in Vocational Education is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

See the programme syllabus.

## 4 Second-cycle qualifications

### 4.1 General qualifications

#### 4.1.1 Degree of Master of Arts/Science/Laws (60 credits)

##### *National regulations as specified in the Higher Education Ordinance*

###### *Scope*

A Degree of Master (60 credits) is awarded after the student has completed the courses required to gain 60 higher education credits in a defined specialisation determined by each higher education institution, of which at least 30 credits constitute specialised study in the main field. In addition, the student must previously have been awarded a Degree of Bachelor, a Degree of Bachelor of Fine Arts, or a professional qualification worth at least 180 credits – or an equivalent qualification from another country.

An exemption from the requirement for a prior qualification may be granted for a student who has been admitted to a programme without fulfilling the general entry requirement in the form of a qualification. However, this does not apply if the exemption during admission was granted pursuant to the second paragraph of Section 28 in Chapter 7, on the grounds that the degree certificate had not yet been issued.

###### *Degree project*

For a Degree of Master (60 credits), the student must complete a degree project worth at least 15 higher education credits within the main field of study.

###### *Miscellaneous*

A Degree of Master (60 credits) with a particular specialisation is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

##### *Local regulations*

At least 45 of the credits included in a Degree of Master (60 credits) must be from second-cycle courses (including the degree project).

Courses included in the qualifying degree cannot be included in the master's degree. An exemption may be granted if the qualifying degree consists of a bachelor's degree that was issued in accordance with older regulations and thus comprises more than 180 higher education credits.

An exemption from the requirement for a prior qualification may be granted for a student who has been admitted to a programme without fulfilling the general entry requirement in the form of a qualification. However, this applies only if the responsible department verifies that the student has been admitted on other grounds, which must be documented in Ladok when the department reviews the condition in the applicant's letter of admission.

#### 4.1.2 Degree of Master of Arts/Science (120 credits)

##### *National regulations as specified in the Higher Education Ordinance*

###### *Scope*

A Degree of Master (120 credits) is awarded after the student has completed the courses required to gain 120 higher education credits in a defined specialisation determined by each higher education institution, of which at least 60 credits constitute specialised study in the main field. In addition, the student must previously have been awarded a Degree of Bachelor, a Degree of Bachelor of Fine Arts, or a professional qualification worth at least 180 credits – or an equivalent qualification from another country.

An exemption from the requirement for a prior qualification may be granted for a student who has been admitted to a programme without fulfilling the general entry requirement in the form of a qualification. However, this does not apply if the exemption during admission was granted pursuant to the second paragraph of Section 28 in Chapter 7, on the grounds that the degree certificate had not yet been issued.

###### *Degree project*

For a Degree of Master (120 credits), the student must complete a degree project worth at least 30 higher education credits within the main field of study. The degree project may comprise less than 30 credits, although no less than 15 credits, if the student has already completed a degree project in the second cycle worth at least 15 credits in the main field of study – or an equivalent qualification from another country.

###### *Miscellaneous*

A Degree of Master (120 credits) with a particular specialisation is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

##### *Local regulations*

At least 90 of the credits included in a Degree of Master (120 credits) must be from second-cycle courses (including the degree project).

Courses included in the qualifying degree cannot be included in the master's degree. An exemption may be granted if the qualifying degree consists of a bachelor's degree that was issued in accordance with older regulations and thus comprises more than 180 higher education credits.

An exemption from the requirement for a prior qualification may be granted for a student who has been admitted to a programme without fulfilling the general entry requirement in the form of a qualification. However, this applies only if the responsible department verifies that the student has been admitted on other grounds, which must be documented in Ladok when the department reviews the condition in the applicant's letter of admission.

#### 4.1.3 Designations

##### *National regulations as specified in the Higher Education Ordinance*

Each higher education institution determines what designations to use.



### *Local regulations*

The following designations are used for general second-cycle qualifications:

- ...of Arts/Science (*filosofie*)
- ...of Science (*ekonomie*)
- ...of Science (*politices*)
- ...of Laws (*juris*)
- ...of Science (*naturvetenskaplig*)

The designation “...of Arts” (*filosofie*) is used within the Faculty of Humanities for all main fields of study.

Within the Faculty of Social Sciences, the designation “...of Science” (*ekonomie*) is used for general second-cycle qualifications when a student applies for a degree with this designation in one of the following main fields of study: Business Administration, Financial Economics, Management Studies, Marketing, Accounting, Economics and Econometrics.

Within the Faculty of Social Sciences, the designation “...of Science” (*politices*) is used for general second-cycle qualifications with Political Science as the main field of study.

Other main fields of study within the Faculty of Social Sciences carry the designation “...of Science” (*filosofie*).

Within the Faculty of Law, the designation “...of Laws” (*juris*) is used for general second-cycle qualifications.

Within the Faculty of Science, the designation “...of Science” (*filosofie*) is used for the following main fields of study:

- Computer Science
- Insurance Mathematics
- Geography
- Mathematics
- Mathematical Statistics
- Mathematics Education
- Science Education

Other main fields of study within the Faculty of Science carry the designation “...of Science” (*naturvetenskaplig*).

## 4.2 Professional qualifications

### 4.2.1 Degree of Master of Laws (Juristexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

A Degree of Master of Laws is awarded after the student has completed the courses required to gain 270 higher education credits.

##### *Degree project*

For a Degree of Master of Laws, the student must complete a degree project worth at least 30 higher education credits.

##### *Miscellaneous*

The Degree of Master of Laws is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

See the programme syllabus.

### 4.2.2 Degree of Master of Science in Psychology (Psykologexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

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

##### *Degree project*

For a Degree of Master of Science in Psychology, the student must complete a degree project worth at least 30 higher education credits.

##### *Miscellaneous*

The Degree of Master of Science in Psychology is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

See the programme syllabus.

### 4.2.3 Postgraduate Diploma in Psychotherapy (Psykoteraeutexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

A Postgraduate Diploma in Psychotherapy is awarded after the student has completed the courses required to gain 90 higher education credits during a three-year period. In addition, the student is required to have:

- a Degree of Master of Science in Psychology (pursuant to the course requirements of 1982 or later provisions),

- a Degree of Master of Science in Medicine with a specialist qualification in psychiatry or psychiatry for children and young people,
- a Degree of Bachelor of Science in Social Work, or
- another equivalent qualification.

For the last two categories, basic training in psychotherapy is also required.

#### *Degree project*

For a Postgraduate Diploma in Psychotherapy, the student must complete a degree project.

#### *Miscellaneous*

For a Postgraduate Diploma in Psychotherapy, the student must complete a part-time work placement with psychotherapeutic tasks. The Postgraduate Diploma in Psychotherapy is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

See the programme syllabus.

### 4.2.4 Degree of Master of Science in Medical Physics (Sjukhusfysikerexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

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

##### *Degree project*

For a Degree of Master of Science in Medical Physics, the student must complete a degree project worth at least 30 higher education credits.

##### *Miscellaneous*

The Degree of Master of Science in Medical Physics is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

See the programme syllabus.

### 4.2.5 Postgraduate Diploma in Special Needs Training (Speciallärarexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *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 student must previously have been awarded a Degree of Bachelor/Degree of Master of Arts in Primary Education, Degree of Master of Arts/Science in Secondary Education/Upper Secondary Education, Higher Education Diploma in Vocational Education, Degree of Bachelor of Arts/Science in Early Years Education, or an equivalent older qualification.

The qualification Postgraduate Diploma in Special Needs Training is awarded with the following specialisations:

- Language, Writing and Reading Development;
- Mathematical Development;
- Deafness and Hearing Impairment;
- Visual Impairment;
- Severe Language Disorders;
- Intellectual Disabilities.

The specialisation in language, writing and reading development requires that the previously awarded degree includes subject studies in Swedish or in the domain of language, writing and reading development. If the degree does not include these subject studies, students are instead required to complement their training with equivalent knowledge.

The specialisation in mathematical development requires that the previously awarded degree includes subject studies in mathematics or in the domain of mathematical development. If the degree does not include these subject studies, students are instead required to complement their training with equivalent knowledge.

#### *Degree project*

For a Postgraduate Diploma in Special Needs Training, the student must complete a degree project worth at least 15 higher education credits.

#### *Miscellaneous*

The degree certificate must specify the specialisation or specialisations for which the qualification is intended.

The Postgraduate Diploma in Special Needs Training is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

The qualification Postgraduate Diploma in Special Needs Training is only issued with the following specialisations:

- Language, Writing and Reading Development;
- Mathematical Development;
- Deafness and Hearing Impairment;
- Visual Impairment;
- Intellectual Disabilities.

For additional information, see the programme syllabus.

#### 4.2.7 Postgraduate Diploma in Special Educational Needs (Specialpedagogexamen)

##### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

A Postgraduate Diploma in Special Educational Needs is awarded after the student has

completed the courses required to gain 90 credits. In addition, the student must previously have been awarded a Degree of Bachelor/Degree of Master of Arts in Primary Education, Degree of Master of Arts/Science in Secondary Education/Upper Secondary Education, Higher Education Diploma in Vocational Education, Degree of Bachelor of Arts/Science in Early Years Education, or an equivalent older qualification.

*Degree project*

For a Postgraduate Diploma in Special Educational Needs, the student must complete a degree project worth at least 15 higher education credits.

*Miscellaneous*

The degree certificate must specify the specialisation for which the qualification is intended.

The Postgraduate Diploma in Special Educational Needs is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

*Local regulations*

See the programme syllabus.

## 5 First- or second-cycle qualifications

### 5.1 Degree of Bachelor of Arts in Primary Education – Extended School/ Degree of Master of Arts in Primary Education – Pre-School and School Years 1-3/ Degree of Master of Arts in Primary Education – School Years 4-6 (Grundlärarexamen)

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

The qualification Degree of Bachelor of Arts in Primary Education is awarded with three different specialisations. A Degree of Bachelor of Arts in Primary Education – Extended School is a first-cycle qualification awarded after the student has completed the courses required to gain 180 higher education credits. Degree of Master of Arts in Primary Education – Pre-School and School Years 1-3 and Degree of Master of Arts in Primary Education – School Years 4-6 are second-cycle qualifications awarded after the student has completed the courses required to gain 240 higher education credits.

Studies in the following areas are required in order to obtain these qualifications: subject courses and courses in subject didactics that are relevant for teaching school subjects with an established curriculum, courses in core education subjects worth 60 credits, and work placement worth 30 credits in a relevant position and subject.

For a Degree of Bachelor of Arts in Primary Education – Extended School, the subject courses and courses in subject didactics must comprise 90 credits, of which 60 credits must be awarded in the field of extended school education and 30 credits in one or two practical or aesthetic subjects.

For a Degree of Master of Arts in Primary Education – Pre-School and School Years 1-3, the subject courses and courses in subject didactics must comprise 165 credits in Swedish, mathematics, English, social science subjects, natural science subjects and technology. At least 30 credits are required in both Swedish and mathematics, and at least 15 credits in English. The credits awarded for subject courses and courses in subject didactics must include 15 credits of subject-related work placement.

For a Degree of Master of Arts in Primary Education – School Years 4-6, the subject courses and courses in subject didactics must comprise 165 credits in Swedish, mathematics, English and an optional area of specialisation. At least 30 credits are required in Swedish, English and mathematics, respectively. In addition, 30 credits are required in one of the following optional areas:

1. natural science subjects and technology,
2. social science subjects, or
3. one or two practical or aesthetic subjects.

The credits awarded for subject courses and courses in subject didactics must include 15 credits of subject-related work placement.

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

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

#### *Degree project*

For a Degree of Bachelor of Arts in Primary Education – Extended School, the student must complete a degree project worth at least 15 credits in the field of extended school education.

For a Degree of Master of Arts in Primary Education – Pre-School and School Years 1-3 or a Degree of Master of Arts in Primary Education – School Years 4-6, the student must complete one degree project worth at least 30 higher education credits or two degree projects worth at least 15 credits each in one or two of the subjects studied within the relevant specialisation.

#### *Miscellaneous*

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

The Degree of Bachelor/Master of Arts in Primary Education is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

See the relevant programme syllabus.

## **5.2 Degree of Master of Arts/Science in Secondary Education/Upper Secondary Education (Ämneslärarexamen)**

### *National regulations as specified in the Higher Education Ordinance*

#### *Scope*

Subject teacher qualifications are awarded with two different specialisations. A Degree of

Master of Arts/Science in Secondary Education is a second-cycle qualification awarded after the student has completed the courses required to gain 270 higher education credits. A Degree of Master of Arts/Science in Upper Secondary Education is a second-cycle qualification awarded after the student has completed the courses required to gain 300 higher education credits or, when required, 330 credits.

Studies in the following areas are required in order to obtain one of these qualifications: subject courses and courses in subject didactics that are relevant for teaching school subjects with an established curriculum, courses in core education subjects worth 60 credits, and work placement worth 30 credits in a relevant position and subject.

For the award of a Degree of Master of Arts/Science in Secondary Education, the programme shall comprise subject courses and courses in subject didactics for 165 credits in two teaching subjects or 195 credits in three teaching subjects. However, the qualification must include subject courses and courses in subject didactics for 195 credits in two teaching subjects when two of the teaching subjects are Swedish, Social Science or Music are studied. The qualification may also include subject courses and courses in subject didactics for 195 credits in two teaching subjects if Art or Music are studied. The subject courses and courses in subject didactics 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 if the qualification covers three teaching subjects, and at least 60 credits if the qualification covers two teaching subjects. When Swedish, Social Science or Music are included, however, 90 credits in subject areas relevant to these subjects are always required. The specialisation is offered with a limited number of subject combinations.

For a Degree of Master of Arts/Science in Upper Secondary Education, the training must comprise 225 credits (or, when required, 255 credits) of subject courses and courses in subject didactics relating to two teaching subjects. The credits awarded for subject courses and courses in subject didactics must include 15 credits of subject-related work placement. The training must include specialised study worth 120 credits in one relevant subject or subject area, and 90 credits of specialised study in another. However, when Swedish, civics or music is included, 120 credits are always required in the relevant subject areas. The specialisation is offered with a limited number of subject combinations.

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

- the history, organisation and conditions of the school system, as well as the core values of early years education, including fundamental democratic values and human rights;
- curriculum theory and didactics;
- theory of knowledge and research methodology;



- development, learning and special needs education;
- social relationships, conflict management and leadership;
- assessment and grading
- evaluation and development processes.

### *Degree project*

For a Degree of Master of Arts/Science in Secondary Education/Upper Secondary Education, the student must complete one degree project worth at least 30 higher education credits or two degree projects worth at least 15 credits each in one or two of the subjects studied within the relevant specialisation.

### *Miscellaneous*

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

The Degree of Master of Arts/Science in Secondary Education/Upper Secondary Education is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

### Supplementary educational programmes

Students who have completed a supplementary educational programme may be awarded a Degree of Bachelor/Master of Arts/Science in Secondary/Upper Secondary Education. The Ordinance on supplementary educational programmes leading to the award of a Degree of Bachelor/Master of Arts/Science in Secondary/Upper Secondary Education (2011:686) and the Ordinance on supplementary educational programmes leading to the award of a Degree of Bachelor/Master of Arts/Science in Secondary/Upper Secondary Education for people with a third-cycle qualification (2016:705) lay down the requirements to be fulfilled for the award of this qualification.

### *Excerpt from the Ordinance on Supplementary Teacher Education (2011:686)*

#### Section 9

The requirements laid down in Sections 10–14 below apply to the award of a Degree of Bachelor/Master of Arts/Science in Secondary Education/Upper Secondary Education on completion of supplementary teacher education.

A Degree of Bachelor/Master of Arts/Science in Secondary Education/Upper Secondary Education as laid down in the first paragraph above is not subject to the second paragraph of Section 5 of Chapter 6 of the Higher Education Ordinance (1993:100) or Annex 4 of the ordinance.

## Section 10

A Degree of Bachelor of Arts/Science in Secondary Education, i.e. with a specialisation in teaching in grades 7-9 of the compulsory school system, which includes subject studies in one teaching subject pursuant to Section 9 is a first-cycle qualification and is awarded after the student has completed courses for 180 higher education credits. The requirements for the award of this qualification are

1. that the student has completed supplementary teacher education,
2. completion of courses that comprise 90 higher education credits in a teaching subject, and
3. that within the framework of these course requirements the student has completed an independent project (degree project) for at least 15 higher education credits.

The stipulation in Annex 2 of the Higher Education Ordinance (1993:100) that specialisations are offered in a limited number of subject combinations does not apply to a Degree of Bachelor of Arts/Science in Secondary Education as laid down in the first paragraph above.

In addition to the stipulations in the first paragraph above and provided that nothing else proceeds from the second paragraph, the requirements laid down for the award of a Degree of Master of Arts/Science in Secondary Education in Annex 2 of the Higher Education Ordinance and which have no counterpart in the requirements stipulated in the first paragraph above apply.

## Section 11

The Degree of Master of Arts/Science in Secondary Education referred to in Section 9 and which includes subject studies in two teaching subjects is a second-cycle qualification. It is awarded after the student has completed courses worth 240 credits. The requirements for the award of this qualification are

1. that the student has completed supplementary teacher education,
2. completion of courses that comprise 150 higher education credits in two teaching subjects, and
3. that within the framework of these course requirements the student has completed an independent project (degree project) worth at least 15 higher education credits.

The provision in Annex 2 of the Higher Education Ordinance (1993:100) that specialisations are offered in a limited number of subject combinations does not apply to a Degree of Master of Arts/Science in Secondary Education as laid down in the first paragraph above.

In addition to the provisions in the first paragraph above and provided that nothing else proceeds from the second paragraph, the requirements laid down for the award of a Degree of Master of Arts/Science in Secondary Education in Annex 2 of the Higher Education Ordinance and which have no counterpart in the requirements in the first paragraph above apply.

The first to third paragraphs do not apply when the degree includes subject studies

1. in two of the teaching subjects of Swedish, Social Science or Music, or
2. worth a total of 180 credits in two teaching subjects and include the teaching subjects of Art or Music.

## Section 12

The Degree of Master of Arts/Science in Secondary Education referred to in Section 9 and which includes subject studies in three teaching subjects or in two teaching subjects in the cases referred to in the fourth paragraph of Section 11 is a second-cycle qualification. The requirement for the award of this qualification is that the student has completed supplementary teacher education.

The provision in Annex 2 of the Higher Education Ordinance (1993:100) that specialisations are offered in a limited number of subject combinations does not apply to a Degree of Master of Arts/Science in Secondary Education as laid down in the first paragraph above.

In addition to the provisions in the first paragraph above and provided that nothing else proceeds from the second paragraph, the requirements laid down for the award of a Degree of Master of Arts/Science in Secondary Education in Annex 2 of the Higher Education Ordinance apply.

Ordinance (2017:894).

## Section 13

A Degree of Bachelor of Arts/Science in Upper Secondary Education, i.e. with a specialisation in teaching in the upper-secondary school, which includes subject studies in one teaching subject pursuant to Section 9 is a first-cycle qualification and is awarded after the student has completed courses for 210 higher education credits. The requirements for the award of this qualification are

1. that the student has completed supplementary teacher education,

2. completion of courses that comprise 120 higher education credits in a teaching subject, and
3. that within the framework of these course requirements the student has completed an independent project (degree project) for at least 15 higher education credits.

The stipulation in Annex 2 of the Higher Education Ordinance (1993:100) that specialisations are offered in a limited number of subject combinations does not apply to a Degree of Bachelor of Arts/Science in Upper Secondary Education as laid down in the first paragraph above.

In addition to the stipulations in the first paragraph above and provided that nothing else proceeds from the second paragraph, the requirements laid down for the award of a Degree of Master of Arts/Science in Upper Secondary Education in Annex 2 of the Higher Education Ordinance and which have no counterpart in the requirements stipulated in the first paragraph above apply.

#### Section 14

A Degree of Master of Arts/Science in Upper Secondary Education, i.e. with a specialisation in teaching in the upper-secondary school, which includes subject studies in two teaching subjects pursuant to Section 9 is a second-cycle qualification. The requirement for the award of this qualification is that the student has completed supplementary teacher education.

The stipulation in Annex 2 of the Higher Education Ordinance (1993:100) that specialisations are offered in a limited number of subject combinations does not apply to a Degree of Master of Arts/Science in Upper Secondary Education as laid down in the first paragraph above.

In addition to the stipulations in the first paragraph above and provided that nothing else proceeds from the second paragraph, the requirements laid down for the award of a Degree of Master of Arts/Science in Upper Secondary Education in Annex 2 of the Higher Education Ordinance apply.

#### Transitional provisions

2014:1070

1. This ordinance enters into effect on 1 January 2015.
2. Persons who have started a programme under the older provisions before 1 January 2015 and persons who have previously been admitted to such a programme but have received a respite for starting the programme, are entitled to complete the programme under the older provisions.

2017:894

1. This ordinance comes into effect on 2 July 2018.
2. Persons who started a Degree of Bachelor/Master of Arts/Science in Secondary/Upper Secondary Education before 2 July 2018 pursuant to the older provisions and persons who have previously been admitted to such a programme but have received a respite until a time after this for which to start the programme, are entitled to complete the programme to receive a qualification according to the older provisions, however this is only applicable until the end of December 2024.

2018:1508

1. This ordinance enters into effect on 1 January 2022.
2. The ordinance is first applied to admissions to courses and programmes that start after the end of May 2022.

### *Local regulations*

The former National Agency for Higher Education has granted the University permission to award the qualification Degree of Bachelor/Master of Arts/Science in Upper Secondary Education in the following subjects: mathematics, biology, physics, chemistry, natural science, history, religion, civics, geography, Swedish, Swedish as a second language, English, Spanish, French, Italian, Portuguese and German. The National Agency for Higher Education and, later, the Swedish Higher Education Authority have also granted the University permission to award the qualification Degree of Bachelor/Master of Arts/Science in Secondary Education in the following subjects: mathematics, biology, physics, chemistry, history, religion, civics, geography, Swedish, Swedish as a second language, English, Spanish and Finnish as a mother tongue. Stockholm University may also award subject teacher qualifications in other subjects, provided that the studies have been completed at, or approved by, a higher education institution with permission to award subject teacher qualifications in these subjects. The provisions in Appendix 4 of the *Higher Education Ordinance*, concerning which subjects may be combined for such qualifications, and the supplementary decision by the National Agency for Higher Education (2011-10-17), concerning permissions to award subject teacher qualifications, must also be taken into account. As stipulated in Section 2.1 above, these studies must be part of, or transferred to, the programme in order to be included in the qualification.

Upon the completion of supplementary teacher education, a subject teacher qualification may also be awarded in a subject other than those mentioned above if the relevant faculty board has made a decision to establish that particular subject (Coordination for Teacher Education, 2012-11-14). A decision has been made to also award subject teacher qualifications in



Finnish, business administration, psychology and technology (in collaboration with KTH Royal Institute of Technology).

Upon the completion of the Professional Qualification Course for Teachers (VAL, pursuant to SFS 2011:689), the University may also award subject teacher qualifications in teaching subjects relating to the subjects regulated by the Swedish National Agency for Education's provisions on what is required for a teacher's competence to be relevant to certain subjects in upper secondary school (SKOLFS 2011:159). This requires that the teacher candidate's knowledge and competence are verified by a higher education institution with the necessary expertise in the field.

The Swedish titles of the subject teacher qualifications are translated as follows:

- Ämneslärarexamen med inriktning mot arbete i grundskolans årskurs 7-9  
*Degree of Master of Arts/Science in Secondary Education*
- Ämneslärarexamen med inriktning mot gymnasieskolan  
*Degree of Master of Arts/Science in Upper Secondary Education*

Certain varieties of these qualifications are first-cycle qualifications. These are awarded after students have completed the Professional Qualification Course for Teachers (VAL) or supplementary teacher education. In these cases, the following translations are used:

- *Degree of Bachelor of Arts/Science in Secondary Education*
- *Degree of Bachelor of Arts/Science in Upper Secondary Education*

Whether to use the designation *Arts* or *Science* is determined by the subject combination as follows:

- *Science* is used as a general rule
- *Arts* is used when at least two of the teaching subjects are humanities subjects (The former Teacher Education Board's general decision (2010-02-17) on the use of *Arts* and *Science* in translations of teacher qualifications also applies to subject teacher qualifications.)

For additional information, see the relevant programme syllabus.

## 6 Third-cycle qualifications

### 6.1 Degree of Licentiate of Philosophy/Laws

#### *National regulations as specified in the Higher Education Ordinance*

##### *Scope*

A Degree of Licentiate is awarded either when the doctoral student has completed a third-cycle programme worth at least 120 higher education credits in a particular subject,

or when the doctoral student has completed at least 120 higher education credits of a programme intended to result in a PhD, provided that the higher education institution has decided that such licentiate degrees can be awarded.

##### *Academic thesis*

In order to obtain a Degree of Licentiate, the doctoral student must have received a passing grade on an academic thesis worth at least 60 higher education credits.

##### *Miscellaneous*

A Degree of Licentiate with a particular specialisation is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

Licentiate degrees are only awarded in subjects where the relevant general syllabus explicitly states that the studies will result in such a qualification. Courses that were part of the entry requirements for the programme cannot be included in the licentiate degree. For additional regulations, see the general syllabus for each subject.

### 6.2 Degree of Doctor of Philosophy/Laws

#### *National regulations as specified in the Higher Education 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.

##### *Academic thesis (doctoral thesis)*

A Degree of Doctor is awarded when the doctoral student has received a passing grade on an academic thesis (doctoral thesis) worth at least 120 higher education credits.

##### *Miscellaneous*

A Degree of Doctor with a particular specialisation is also subject to specific requirements determined by each higher education institution within the framework of the requirements of this qualification descriptor.

#### *Local regulations*

Courses that were part of the entry requirements for the programme cannot be included in the doctoral degree. For additional regulations, see the general syllabus for each subject.

### 6.3 Designations

#### *National regulations as specified in the Higher Education Ordinance*

Each higher education institution determines what designations to use.

#### *Local regulations*

The following designations are used for third-cycle qualifications:

- ...of Philosophy (*filosofie*)
- ...of Philosophy (*ekonomie*)
- ...of Laws (*juris*)
- ...of Philosophy (*medicine*)
- ...of Philosophy (*teknologie*)

As a general rule, the designation “...of Philosophy (*filosofie*)” is used for third-cycle qualifications.

Within the Faculty of Social Sciences, the designation “...of Philosophy” (*ekonomie*) is used when the doctoral student applies for a qualification with this designation in the fields of economics and business administration.

Within the Faculty of Law, the designation “...of Laws” (*juris*) is used for all qualifications.

Within the Faculty of Science, the designation “...of Philosophy” (*teknologie* or *medicine*) can be used following a decision by the faculty board.



## 7 Qualification descriptors

### 7.1 National qualification descriptors

The *Higher Education Ordinance* (Appendix 2 - System of Qualifications) defines a common structure for all qualifications, which contains the following: scope, outcomes, degree project and other requirements for each qualification. These national qualification descriptors describe the level of knowledge and expertise the student must have achieved in order to be awarded each qualification, as well as what knowledge and skills are required to continue studying at the next level or for the training to be useful in the labour market.

### 7.2 Local qualification descriptors for general first- and second-cycle qualifications

Since 1 January 2016, local qualification descriptors are available, adopted by the academic area boards based on a common model. The local qualification descriptors cover general first- and second-cycle qualifications. The programme syllabi fill the same function for professional qualifications, and the general syllabi contain the provisions for third-cycle qualifications.

Students who within the framework of the main field of study of the degree want to include courses started at Stockholm University autumn semester of 2016 or later are covered by the local qualification degree descriptors.

The student is covered by the local qualification degree descriptor that applied to the degree within the main field of study when the student started studying for a degree in the main field of study at Stockholm University unless a later revision is more favourable to the student.

For students who in the autumn semester of 2016 or later start their studies at Stockholm University and who, within the framework of the main field of study of the degree, want to include courses from another university the Student Services contacts the responsible department for an assessment of whether the requirements for the main field of study according to the local qualification degree descriptors are met.

If the requirements in the local qualification degree descriptor conflict with the requirements in the programme syllabus which the student has followed, the requirements that are most favourable to the student are applied.

Students who in spring semester of 2016 or earlier started studies within the framework of the main field of study for a degree at Stockholm University are not covered by the local qualification degree descriptors.

## 8 Degree certificates

### *National regulations as specified in the Higher Education Ordinance*

A student who fulfils the requirements for a qualification will, upon request, be provided with a degree certificate by the higher education institution. In the degree certificate, the higher education institution will specify the title of the qualification, the cycle in which the qualification was awarded, what first- and second-cycle courses are included in the qualification, and at what higher education institution the courses (or the corresponding part of doctoral studies) were completed.

When a degree certificate is awarded for studies undertaken at more than one higher education institution, the certificate will be issued by the institution where the student finished his or her studies. However, this does not apply if the involved higher education institutions have agreed otherwise in a specific case, or if the higher education institutions will issue a joint degree (see Section 8.1 below).

### *Local regulations*

The President has, via the University Director of Administration, delegated the right to award first-, second- and third cycle qualifications to Student Services.

As of 1 June 2019, degree certificates are issued digitally, previously issued degree certificates will not be replaced by a digital version. Digital degree certificates are signed electronically by the Senior Administrative Officer.

Degree certificates for joint degrees or double/multiple degrees are processed and issued by Student Services in accordance with respective agreement between the higher education institutions.

Student Services is responsible for the design of the degree certificates. See examples of degree certificates in the appendix.

Degree certificates are bilingual (Swedish and English).

The date of the degree certificate is the date on which the qualification is awarded.

### 8.1 Joint degrees

#### *National regulations as specified in the Higher Education Ordinance*

A joint degree is a qualification awarded for a study programme provided in collaboration between different higher education institutions. The programme must have been provided as part of a collaboration in compliance with Chapter 1, Section 17 of the *Higher Education Act*. For example, the collaboration between the higher education institutions must be based on a written agreement.

When multiple higher education institutions issue a joint degree, all institutions have to issue their degree certificates in the same document. See two different examples of joint degree certificates in the appendix.

### *Local regulations*

The President makes the decision to enter into a collaborative agreement concerning joint degrees. The relevant academic area board is responsible for the assessment and approval of the content and quality of the degree programme.

The part of the programme to be provided at Stockholm University is determined by the academic area board. Syllabi, etc., should be drawn up in Swedish and English and relate to Stockholm University's current regulations on grades, etc.

Students who undertake a part of a joint degree programme at Stockholm University are subject to all of the same rules that apply to students at Stockholm University. Students enrolled in a joint degree programme pay tuition fees according to current Swedish legislation on fees for different categories of students.

A joint degree does not have to be associated with the same main field of study at the collaborating higher education institutions.

In order to receive a joint degree, the student must be enrolled in the joint programme and registered at each higher education institution. The agreement should specify which higher education institution is coordinating the administration of the programme, and which institution is responsible for receiving degree applications and issuing degree certificates and diploma supplements. The degree certificate will be issued in a single document when the qualification requirements at all institutions have been fulfilled. The designation is determined by each institution, and the degree certificate for a joint degree will be signed by each institution. Section 2.1 of the diploma supplement must specify the title of the qualification, including the designation, in the original language, and Section 2.3 must specify the collaborating higher educations in the original language. Section 6.1 must specify that the degree certificate has been issued as a joint degree, as well as what higher education institutions are involved in the collaboration. At Stockholm University, Student Services is responsible for the degree certificate template. The template is designed and adopted in consultation with the involved higher education institutions and must be attached to the agreement.

## **8.2 Double/multiple degrees**

In cases of educational collaborations (both national and international) that lead to double/multiple degrees, the degree certificate must be issued by each higher education

institution. The student must be enrolled in the specific programme. Each higher education institution is responsible for ensuring that its own qualification requirements have been fulfilled and that the courses have been completed according to the programme syllabus. The designation is determined by each higher education institution. Each institution is also responsible for issuing the diploma supplement. At Stockholm University, Section 6.1 of the diploma supplement must specify that the programme is provided in collaboration with other higher education institutions.

If the courses have been completed at a foreign higher education institution, the credits must be transferred before they can be included in a qualification from Stockholm University.

### 8.3 Diploma supplements

#### *National regulations as specified in the Higher Education Ordinance*

The degree certificate must be accompanied by:

1. a diploma supplement that describes the degree programme and its place within the educational system, and
2. in the case of a Higher Education Diploma in Vocational Education, a diploma supplement that lists the advanced and relevant vocational expertise that formed the basis of the specific entry requirements pursuant to Section 4 of the *Ordinance on admission to programmes leading to the award of a Higher Education Diploma in Vocational Education* (2010:2021) and the regulations issued in conjunction with that provision.

The Swedish Council for Higher Education has issued more detailed provisions concerning the contents of the diploma supplements.

#### *Local regulations*

Diploma supplements are not issued retroactively.

### 8.4 Decisions and appeals

#### *National regulations*

A matter shall be handled as simply, rapidly and cost-effectively as possible without neglecting legal security. The Administrative Procedure Act (2017:900) Section 9

A student whose request for a degree certificate has been rejected is entitled to appeal the decision. The Higher Education Ordinance (1993:100) Chapter 12 Appeals, Section 2.

If the party may appeal the decision, they shall also be notified of how to do so. The authority shall, at the same time, inform the party of dissenting opinions noted under Section 30 or under special provisions in another statute. A notification of how to appeal shall contain information about what the required form and content of the appeal are and what applies concerning filing an appeal and the period for appeal. The Administrative Procedure Act (2017:900) Section 33

An appeal of a decision shall contain the following information, The Administrative Procedure Act (2017:900) Section 43-44:

“The decision can be appealed to the Higher Education Appeals Board (Sw. Överklagandenämnden för högskolan). The appeal must be directed to Överklagandenämnden för högskolan, Box 7249, 103 89 Stockholm, but must be handed in to Stockholm University, Registrar, 106 91 Stockholm or [registrator@su.se](mailto:registrator@su.se). The appeal must be in writing. In the appeal, the appellant must refer to the decision that is appealed and state in what way the decision should be changed. The appeal must be handed in to Stockholm University within three (3) weeks from the day the appellant took part of the decision via Stockholm University.”

Once an appeal has been handed in to Stockholm university the appeal shall be processed in the following steps:

#### 1. Correction or variation of decisions

An authority shall vary a decision it has issued as the first instance if it considers that the decision is obviously wrong in some significant respect because of new circumstances or for some other reason; and the decision can be varied quickly and easily without this being to the detriment of any private party. The Administrative Procedure Act (2017:900) Section 38

A decision that has been appealed may be varied by the authority that has issued it as the first instance solely in cases referred to in Section 38 and only if the appeal and the other documents in the matter have not yet been forwarded to the higher instance that shall examine the appeal. The Administrative Procedure Act (2017:900) Section 39

A decision that contains an obvious inaccuracy on account of a clerical error, arithmetical error or a similar oversight by the authority or someone else may be corrected by the authority that issued the decision. The Administrative Procedure Act (2017:900) Section 36

#### 2. Decision-making authority's measures

The decision-making authority examines whether the appeal has been received in due time. If it has been received too late, the authority shall decide that the appeal shall not be admitted (dismissal). However, an appeal shall not be dismissed if the delay is because the authority did

not give correct notification of how to appeal; or the appeal was received by the higher instance within the appeal period. The Administrative Procedure Act (2017:900) Section 45.

If the appeal is not dismissed, the decision-making authority shall promptly forward the appeal and the other documents in the matter to the higher instance. If an authority varies a decision that has been appealed, it shall also forward the new decision to the higher instance. The appeal shall be considered to cover the new decision. The Administrative Procedure Act (2017:900) Section 46.

#### *Local regulations*

The student will be notified of the decision within two months of submitting a complete application to the authority.

### **8.5 Contract education**

#### *National regulations*

Participants in contract education may be awarded grades and degree certificates or course certificates in accordance with the regulations for first- and second-cycle education if the contract education is subject to the same quality requirements as the corresponding courses and programmes in higher education. This applies even if the participants are not eligible for admission to higher education (Section 6 of the *Ordinance on Contract Education at Universities and University Colleges* (2002:760)).

## **9 Transitional provisions**

#### *National regulations as specified in the Higher Education Ordinance*

The *Higher Education Ordinance* (Appendix 2 – System of Qualifications) contains entry-into-effect and transitional provisions. These provisions are summarised below:

Those who have started a course or study programme leading to a qualification according to the previous regulations in Appendix 2 (System of Qualifications) before 1 July 2007, and those who have been admitted to such a programme before that date but have been allowed to defer their studies, are entitled to complete their studies and obtain a qualification according to the previous regulations until the end of June 2015. Stockholm University's implementation is that, until further notice, qualification can be issued even after the end of June 2015, provided that the student has completed the programme by 30 June 2015.

The extent of a qualification that may be awarded according to the previous regulations in Appendix 2 (System of Qualifications) after the end of June 2007 must be specified in credits according to the previous regulations. The degree certificate issued for a qualification referred

to in Section 5 (see the paragraph above) must also specify the corresponding extent of the qualification in higher education credits according to the new regulations.

If previous studies or a first-cycle qualification are required for a second-cycle qualification according to the new regulations, those who have completed corresponding studies or a corresponding qualification from undergraduate programmes will also be able to fulfil the requirements for the qualification.

### *Local regulations*

#### *Transitional provisions for qualifications 1993/2007*

According to a decision by the Vice-Chancellor (RF 2006-12-20), the University will implement generous transitional provisions. For example, according to an agreement between the Faculty Office of Science and Student Services, a student with a degree project worth 45 higher education credits can use 15 credits of the degree project for a bachelor's degree and the remaining part of the degree project for a second-cycle qualification. All students who have been admitted to and begun their studies by 30 June 2007 (or been allowed to defer their studies until a later date) will be entitled to be reviewed according to the previous regulations on qualifications until 30 June 2015. However, when a student applies for a qualification, the principle should be to review the student's application according to the new regulations in the *Higher Education Ordinance*, unless the student explicitly requests to be reviewed according to the previous regulations.

The departments should, as far as it is possible, provide opportunities for students to finish their studies according to the previous regulations if they wish to do so. The academic area boards may issue guidelines for the departments.

#### *The following restrictions are implemented*

Students who have been awarded a professional qualification, a general higher education diploma or a general bachelor's degree according to the previous regulations in the *Higher Education Ordinance* should not be able to receive the corresponding qualification according to the new regulations even if they have complemented their studies after the new regulations entered into force. Exceptions can be made if the title of the qualification or the main field of study has been significantly broadened.

Students who has been awarded a master's degree according to the previous regulations may complement their studies after the new regulations entered into force and apply for a second-cycle qualification. If a student wishes to transfer a course from a one-year master's degree according to the previous regulations as a second-cycle course, the relevant department must review whether the course corresponds to second-cycle education. In order to be awarded a second-cycle qualification, the student must have completed at least one course after the new regulations entered into force and otherwise fulfilled the qualification requirements.

When including a first-cycle qualification in a second-cycle qualification, the review process should consider the total period of study.

## **9.1 Specific transitional provisions relating to the withdrawal of the permission to award qualifications**

### *National regulations as specified in the Higher Education Act*

If the Swedish Higher Education Authority has decided that a certain qualification can no longer be awarded, a higher education institution may award that qualification to those students who have begun their studies at that institution before the decision was made. However, this only applies if those studies constitute a programme, a course or a part of a third-cycle programme that can result in the qualification affected by the decision.

### *Local regulations*

If the University has decided that a certain qualification will no longer be awarded, or if the Swedish Higher Education Authority has decided that a certain qualification can no longer be awarded, the following rules apply:

Following a decision that a certain qualification with a specific main field of study no longer can or will be awarded at Stockholm University, a student who has initiated studies in the main field of study before the decision was made is entitled to be awarded a qualification with this main field of study during a transitional period.

## **10 Older provisions**

Qualification regulations according to older provisions and systems of qualifications are available in the Rules & Regulations at Stockholm University.



# EXAMENSBEVIS

## DEGREE CERTIFICATE

### Filosofie kandidatexamen

Huvudområde: Nationalekonomi

*Degree of Bachelor of Science*

*Main Field of Study: Economics*

**Student Studentsson**

19990101-0001

Stockholm den 1 april 2019

*Stockholm 1 April 2019*

*Signatur*

Namn Efternamn

Examenshandläggare

*Senior Administrative Officer*



**Stockholms  
universitet**

**Student Studentsson**

Namn/Name

**19990101-0001**

Personnummer/ Personal identity number

Kurs Course	Högskolepoäng Credits	Betyg Grade	Datum Date
Mikroteori med tillämpningar <i>Microeconomic Theory and Applications</i>	15,0	Bra <sup>1</sup> Good	2013-11-03
Makroteori med tillämpningar <i>Macroeconomic Theory and Applications</i>	15,0	Mycket bra <sup>1</sup> Very good	2014-01-18
Matematik I <i>Mathematics I</i>	30,0	Tillräckligt <sup>1</sup> Sufficient	2014-06-09
Intermediate Macroeconomics <i>Intermediate Macroeconomics</i>	7,5	Bra <sup>1</sup> Good	2014-10-26
Intermediate Microeconomics <i>Intermediate Microeconomics</i>	7,5	Utmärkt <sup>1</sup> Excellent	2014-10-28
Matematisk analys III <i>Mathematical Analysis III</i>	7,5	Bra <sup>1</sup> Good	2014-12-10
Linjär algebra II <i>Linear Algebra II</i>	7,5	Bra <sup>1</sup> Good	2015-01-14
Sannolikhets teori I <i>Probability Theory I</i>	7,5	Bra <sup>1</sup> Good	2015-02-27
Statistisk analys <i>Statistical Analysis</i>	7,5	Tillräckligt <sup>1</sup> Sufficient	2015-08-17
Ekonometri <i>Econometrics</i>	7,5	Tillfredsställande <sup>1</sup> Satisfactory	2015-08-21
Grundläggande finansmatematik <i>Introduction to Finance Mathematics</i>	7,5	Tillräckligt <sup>1</sup> Sufficient	2015-10-23
Sannolikhets teori II <i>Probability Theory II</i>	7,5	Bra <sup>1</sup> Good	2015-10-28
Stokastiska processer och simulering I <i>Stochastic Processes and Simulation I</i>	7,5	Tillfredsställande <sup>1</sup> Satisfactory	2016-01-08
Nationalekonomi om osäkerhet och asymmetrisk information <i>The Economics of Uncertainty and Asymmetric Information</i>	7,5	Bra <sup>1</sup> Good	2016-01-10
Empirical Methods in Economics I <i>Empirical Methods in Economics I</i>	7,5	Tillfredsställande <sup>1</sup> Satisfactory	2016-01-17
Nationalekonomiskt strategiskt tänkande <i>Economic strategic thinking</i>	7,5	Bra <sup>1</sup> Good	2016-03-14
Empirical Methods in Economics 2 <i>Empirical Methods in Economics 2</i>	7,5	Mycket bra <sup>1</sup> Very good	2016-03-18
Kandidatuppsats i nationalekonomi <i>Bachelor's Thesis in Economics</i>	15,0	Utmärkt <sup>1</sup> Excellent	2019-01-17

Examen har avlagts i enlighet med högskoleförordningen (SFS 1993:100). Filosofie kandidatexamen är en examen på grundnivå och omfattar 180 högskolepoäng. Ett års heltidsstudier om 40 veckor motsvarar 60 högskolepoäng.

*The Degree has been awarded in accordance with the Higher Education Ordinance (SFS No: 1993:100). A Degree of Bachelor of Science is a first cycle qualification and comprises 180 credits. A 40-week academic year, full-time study, corresponds to 60 credits.*

## Noter/Notes

- <sup>1</sup> Betygsskala: Utmärkt (A), Mycket bra (B), Bra (C), Tillfredsställande (D), Tillräckligt (E)  
Grading scale: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E)



## DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international “transparency” and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

### 1. Information identifying the holder of the qualification

- 1.1 **Family name:** Studentsson
- 1.2 **Given name:** Student
- 1.3 **Date of birth (day/month/year):** 1 January 1999
- 1.4 **Student identification number or code (if available):** 19990101-0001

### 2. Information identifying the qualification

- 2.1 **Name of qualification and (if applicable) title conferred (in original language):**  
Filosofie kandidatexamen
- 2.2 **Main field(s) of study for the qualification:**  
Economics.
- 2.3 **Name and status of awarding institution (in original language):**  
Stockholms universitet (State higher education institution with status of university).
- 2.4 **Name and status of institution (if different from 2.3) administering studies (in original language):**  
Not applicable.
- 2.5 **Language(s) of instruction:**  
Mainly Swedish.

### 3. Information on the level of the qualification

- 3.1 **Level of qualification:**  
First cycle degree. For more information on higher education in Sweden, please see point 8, appendix 2.
- 3.2 **Official length of programme:**  
180 higher education credits. The scope of the education is to be indicated in higher education credits, with full-time studies for a normal 40 week academic year corresponding to 60 higher education credits.
- 3.3 **Access requirement(s):**  
General eligibility is attained by completing an upper secondary school programme and obtaining a pass grade or better in courses comprising at least 90 per cent of the upper secondary credits required in the programme, or by providing proof of an equivalent level of knowledge. The specific eligibility (requirements) vary according to the field of higher education and are expressed in terms of subjects in the upper secondary school.

### 4. Information on the contents and results gained

- 4.1 **Mode of study:**  
Full-time equivalent.
- 4.2 **Programme requirements:**  
Scope  
A Degree of Bachelor is obtained after the student has completed course requirements of 180 higher education credits with a certain area of specialisation determined by each higher education institution itself, including at least 90 higher education credits with increasingly in-depth studies in the main field of study.

#### Objectives

##### Knowledge and understanding

For a Degree of Bachelor a student must

- demonstrate knowledge and understanding in their main field of study, including knowledge of the scientific basis of the field, knowledge of applicable methods in the field, in-depth knowledge of some part of the field and a general sense of current research issues.

##### Skills and abilities

For a Degree of Bachelor a student must

- demonstrate an ability to seek, gather and critically interpret information that is relevant to a problem and critically discuss phenomena, issues and situations;

- demonstrate an ability to independently identify, formulate and solve problems and to perform tasks within specified time limits;
- demonstrate an ability to present and discuss information, problems and solutions in dialogue with different groups, orally and in writing; and
- demonstrate the skills required to work independently in the field that the education concerns.

#### Judgement and approach

For a Degree of Bachelor students must

- demonstrate an ability to make assessments in their main field of study, taking into account relevant scientific, social and ethical aspects;
- demonstrate insight into the role of knowledge in society and into people's responsibility for how knowledge is used; and
- demonstrate an ability to identify their need of further knowledge and to upgrade their capabilities.

#### Independent project (degree project)

For a Degree of Bachelor 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.

#### Other

For a Degree of Bachelor with a certain area of specialisation more precise requirements are also to apply, as determined by each higher education institution itself within the framework of the requirements in this qualification description.

#### **4.3 Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained (if this information is available on an official transcript this should be used here):**

See Degree Certificate/Official Transcript.

#### **4.4 Grading scheme and, if available, grade distribution guidance:**

See degree certificate/official transcript of records. Unless otherwise prescribed in the course syllabus, Stockholm University uses a seven-point grading scale related to the learning objects of the course: Fail (F, FX), Sufficient (E), Satisfactory (D), Good (C), Very Good (B), Excellent (A).

#### **4.5 Overall classification of the qualification (in original language):**

Not applicable for Swedish qualifications.

### **5. Information on the function of the qualification**

#### **5.1 Access to further study:**

The degree gives basic eligibility to second level studies. For more information on higher education in Sweden, please see point 8, appendix 2.

#### **5.2 Professional status (if applicable):**

Not applicable.

### **6. Additional information**

#### **6.1 Additional information:**

See Degree Certificate/Official Transcript of Record for possible transferred studies, exchange studies, and work practice.

#### **6.2 Further information sources:**

Stockholm University  
SE-106 91 Stockholm  
+46 (0)8 162000  
www.su.se

National Qualifications Framework  
www.uhr.se

ENIC-NARIC Sweden  
Swedish Council for Higher Education  
www.uhr.se

### **7. Certification of the supplement**

**7.1 Date:** 1 April 2019

**7.2 Signature:**

*Signatur*

**7.3 Capacity:** Senior Administrative Officer

**7.4 Official stamp or seal:**

### **8. Information on the national higher education system**

For information on the Swedish higher education system, please see enclosure.

# The Swedish higher education system

According to legislation after 1 January 2007.

The following description is approved by the Swedish Council for Higher Education.

The Swedish higher education system is based on the Swedish Higher Education Act (SFS 1992:1434) and the 1 January 2007 amendments to the Higher Education Ordinance (1993:100). The following description is a short summary based on the legislation regulating the Swedish higher education system.

Qualifications from all higher education institutions (universities, university colleges and independent higher education providers) that are recognized by the Government are of equal official value. The same legislation governs all state higher education institutions. All Swedish degrees are issued in accordance with the same degree ordinances.

## Quality assurance

The Swedish Higher Education Authority has been responsible for the quality assurance system for all higher education since 1 January 2013. For more information, please visit [www.uka.se](http://www.uka.se). Evaluation reports are available to the public.

## National Qualification Frameworks

The Swedish Higher Education Act and the Higher Education Ordinance have been amended in accordance with the agreements reached as part of the Bologna Process, including the Qualifications Frameworks in the European Higher Education Area (QF-EHEA). Legislation for a three-cycle structure of higher education started to apply in July 2007, and is now the only one in use in all Swedish higher education. Transitional provisions apply to courses and programmes that started prior to this. For more information, please visit [www.uhr.se/en](http://www.uhr.se/en) or [enic-naric.net](http://enic-naric.net).

In 2015, the Swedish Government decided on a national qualifications framework (SeQF), based on the European Qualifications Framework for Lifelong Learning (EQF). The SeQF has eight levels that are in accordance with the EQF

levels. Higher education qualifications are at levels six to eight. For more information, please visit [www.seqf.se](http://www.seqf.se).

## Credit system

Sweden has a system of credits (högskolepoäng); a normal 40-week academic year corresponds to 60 credits. The system is compatible with ECTS credits.

## Grading system

There is no national grading system in Sweden. Higher education institutions may determine which grading system is to be used. No overall grade is awarded for a degree and students are not ranked. For example, Grade Point Average (GPA) and other ranking systems are not used in Sweden.

## Access and admission

There are general and specific entry requirements for access to higher education within all cycles. The specific entry requirements vary according to the field of higher education and/or should be essential for students to be able to benefit from the course or study programme. The number of places is limited on all study programmes and courses.

The general entry requirements for first-cycle studies are the same for all higher education. General entry requirements can be attained by completing an upper-secondary school programme, via adult education at upper-secondary school level or the applicants achieving a comparable level of learning outcomes through other education, practical experience or other circumstances.

The general entry requirements for second-cycle studies are a first-cycle qualification of at least 180 credits, or a corresponding foreign qualification. An applicant may also be accepted on the basis of a comparable level of learning outcomes obtained through other education, practical experience or other circumstances. →

The general entry requirements for third-cycle studies are a second-cycle qualification, or completed courses worth at least 240 credits (of which 60 credits are at second-cycle level) or the equivalent level of knowledge acquired in Sweden or abroad. Furthermore, for entry to third-cycle studies, the applicant must be deemed able to benefit from the education.

## Qualifications

All courses, study programmes and qualifications are on one of three levels: first-, second- or third-cycle. In the Higher Education Ordinance, the Government has determined which qualifications may be awarded, as well as their scope, requirements and intended learning outcomes. There are three categories of qualifications: general; the fine, applied and performing arts; and professional qualifications. For some more information, please see below.

## General qualifications

### First-cycle (SeQF/EQF 6)

*Högskoleexamen* (Higher Education Diploma) requires 120 credits and an independent project (degree project).

*Kandidatexamen* (Degree of Bachelor) requires 180 credits. At least 90 credits must be completed in the main field of study, including an independent project (degree project) worth 15 credits.

### Second-cycle (SeQF/EQF 7)

*Magisterexamen* (Degree of Master (60 credits)) requires 60 credits. At least 30 credits must be completed in the main field of study, including an independent project (degree project) worth 15 credits. In addition, the student must normally hold a kandidatexamen, or a professional degree of at least 180 credits, or an equivalent foreign degree.

*Masterexamen* (Degree of Master (120 credits)) requires 120 credits. At least 60 credits must be completed in the main field of study, including an independent project (degree project) worth at least 30 credits. In addition, the student must normally hold a kandidatexamen, or a professional degree of at least 180 credits or an equivalent foreign degree.

### Third-cycle (SeQF/EQF 8)

*Licentiatexamen* (Degree of Licentiate) requires at least 120 credits, including a research thesis worth at least 60 credits. A higher education institution may decide that a licentiatexamen can be awarded as a separate qualification or as a step on the way to doktorsexamen (see below).

*Doktorsexamen* (Degree of Doctor) requires 240 credits, including a research thesis (doctoral thesis) worth at least 120 credits. The thesis must be presented at a public defence.

## Qualifications in the fine, applied and performing arts

Qualifications in the fine, applied and performing arts are awarded at all three cycles and corresponding SeQF levels. At first-cycle level: konstnärlig högskoleexamen (Higher Education Diploma) and konstnärlig kandidatexamen (Degree of Bachelor of Fine Arts). At second-cycle level: konstnärlig magisterexamen (Degree of Master of Fine Arts (60 credits)) and konstnärlig masterexamen (Degree of Master of Fine Arts (120 credits)). Two third-cycle qualifications are awarded: konstnärlig licentiatexamen (Degree of Licentiate) and konstnärlig doktorsexamen (Degree of Doctor).

## Professional qualifications

Professional qualifications are offered at either first- or second-cycle level and corresponding SeQF levels. These qualifications may stretch over two cycles and are awarded in areas that include engineering, health care, agriculture, law, and education. Professional qualifications are regulated by national legislation and are considered regulated education subject to the Professional Qualifications Directive 2005/36/EC.

## Titles of qualifications

Translations into English of all titles of qualifications are regulated at the national level. Higher education institutions may decide to add a prefix to a qualification title e.g. filosofie kandidatexamen or medicine doktorsexamen or/and add a major field of studies e.g. civilingenjörsexamen i maskinteknik.

# DOKTORSEXAMEN

## DEGREE OF DOCTOR

### Filosofie doktorsexamen

Ämne: Nationalekonomi

*Doctor of Philosophy*

*Subject: Economics*

**Student Studentsson**

19990101-0001

Stockholm den 9 januari 2019

*Stockholm 9 January 2019*

På Rektors vägnar

*On Behalf of the President*

*Signatur*

Namn Efternamn

Examenshandläggare

*Senior Administrative Officer*



**Stockholms  
universitet**

**Student Studentsson**

Namn/Name

**19990101-0001**

Personnummer/ Personal identity number

Kurs Course	Högskolepoäng Credits	Betyg Grade	Datum Date
Mathematics I <i>Mathematics I</i>	5,0	Godkänd <sup>1</sup> Pass	2012-10-23
Mathematics II, part 1 <i>Mathematics II, part 1</i>	2,5	Godkänd <sup>1</sup> Pass	2012-10-23
Microeconomics I <i>Microeconomics I</i>	7,5	Godkänd <sup>1</sup> Pass	2012-10-26
Applied Microeconometrics <i>Applied Microeconometrics</i>	7,5	Godkänd <sup>1</sup> Pass	2013-01-13
Mathematics II, part 2 <i>Mathematics II, part 2</i>	2,5	Godkänd <sup>1</sup> Pass	2013-01-15
Mathematics III <i>Mathematics III</i>	5,0	Godkänd <sup>1</sup> Pass	2013-01-15
Macroeconomics I <i>Macroeconomics I</i>	7,5	Godkänd <sup>1</sup> Pass	2013-03-18
Econometrics I <i>Econometrics I</i>	7,5	Godkänd <sup>1</sup> Pass	2013-03-23
Macroeconomics II <i>Macroeconomics II</i>	7,5	Godkänd <sup>1</sup> Pass	2013-05-24
Econometrics II <i>Econometrics II</i>	7,5	Godkänd <sup>1</sup> Pass	2013-08-22
Microeconomics II <i>Microeconomics II</i>	7,5	Godkänd <sup>1</sup> Pass	2014-01-17
Time Series Econometrics <i>Time Series Econometrics</i>	7,5	Godkänd <sup>1</sup> Pass	2014-05-13
Economics of Education <i>Economics of Education</i>	7,5	Godkänd <sup>1</sup> Pass	2014-09-02
Economics of Inequality <i>Economics of Inequality</i>	7,5	Godkänd <sup>1</sup> Pass	2014-10-08
Labor Economics <i>Labor Economics</i>	7,5	Godkänd <sup>1</sup> Pass	2015-01-12
Social Economics <i>Social Economics</i>	7,5	Godkänd <sup>1</sup> Pass	2015-06-16
Management and Analysis of Big Data <i>Management and Analysis of Big Data</i>	7,5	Godkänd <sup>1</sup> Pass	2016-06-07
<b>Offentlig disputation</b>			
<b>Presentation of Thesis</b>			
Doktorsavhandling <i>Dissertation</i>		Godkänd <sup>1</sup> Pass	2018-11-30
<b>Doktorsavhandlingens titel</b>			
<b>Title of Doctoral Thesis</b>			
Titel Title			

Examen har avlagts i enlighet med högskoleförordningen (SFS 1993:100). Filosofie doktorsexamen är en examen på forskarnivå och omfattar 240 högskolepoäng. Ett års heltidsstudier om 40 veckor motsvarar 60 högskolepoäng.

*The Degree has been awarded in accordance with the Higher Education Ordinance (SFS No: 1993:100). A Degree of Doctor of Philosophy is a third cycle qualification and comprises 240 credits. A 40-week academic year, full-time study, corresponds to 60 credits.*



Noter/*Notes*

1 Betygsskala: Godkänd (G)  
*Grading scale: Pass (G)*



## DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international “transparency” and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

### 1. Information identifying the holder of the qualification

- 1.1 **Family name:** Studentsson
- 1.2 **Given name:** Student
- 1.3 **Date of birth (day/month/year):** 1 January 1999
- 1.4 **Student identification number or code (if available):** 19990101-0001

### 2. Information identifying the qualification

- 2.1 **Name of qualification and (if applicable) title conferred (in original language):**  
Filosofie doktorsexamen
- 2.2 **Main field(s) of study for the qualification:**  
Economics.
- 2.3 **Name and status of awarding institution (in original language):**  
Stockholms universitet (State higher education institution with status of university).
- 2.4 **Name and status of institution (if different from 2.3) administering studies (in original language):**  
Not applicable.
- 2.5 **Language(s) of instruction:**  
Swedish and English.

### 3. Information on the level of the qualification

- 3.1 **Level of qualification:**  
Third cycle degree. For more information on higher education in Sweden, please see point 8, appendix 2.
- 3.2 **Official length of programme:**  
240 credits. The extent of a course or study programme shall be denoted by credits, with full-time study during a normal academic year of 40 weeks corresponding to 60 credits.
- 3.3 **Access requirement(s):**  
A person meets the general entry requirements for third cycle courses and study programmes if he or she:
  - has been awarded a second cycle qualification
  - has satisfied the requirements for courses comprising at least 240 credits of which at least 60 credits were awarded in the second cycle, or
  - has acquired substantially equivalent knowledge in some other way in Sweden or abroad.

The faculty board may permit an exemption from the general entry requirements for an individual applicant, if there are special grounds.

Those who meet the general entry requirements for doctoral programmes before 1 July 2007 will also be considered to meet the general entry requirements for third cycle courses and study programmes after that, however, until no later than the end of June 2015.

### 4. Information on the contents and results gained

- 4.1 **Mode of study:**  
Full-time equivalent.
- 4.2 **Programme requirements:**  
A Doctor of Philosophy is awarded after the 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 of Philosophy the third cycle student shall have:

- demonstrated 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
- demonstrated 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 of Philosophy the third cycle student shall have:

- demonstrated the capacity for scholarly analysis and synthesis as well to review and assess new and complex phenomena, issues and situations autonomously and critically
- demonstrated the ability to identify and formulate issues with scholarly precision critically, autonomously 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
- demonstrated through a dissertation the ability to make a significant contribution to the formation of knowledge through his or her own research
- demonstrated 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
- demonstrated the ability to identify the personal need for further knowledge
- demonstrated 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 of Philosophy the third cycle student shall have:

- demonstrated intellectual autonomy and disciplinary rectitude as well as the ability to make assessments of research ethics, and
- demonstrated 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 of Philosophy 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 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 of Philosophy with a defined specialisation.

**4.3 Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained (if this information is available on an official transcript this should be used here):**

See Degree Certificate/Official Transcript.

**4.4 Grading scheme and, if available, grade distribution guidance:**

A doctoral thesis shall be awarded the grade of fail or pass unless the higher education institution has prescribed another grading system. In awarding the grade, account shall be taken of the contents of the thesis and its defence.

**4.5 Overall classification of the qualification (in original language):**

Not applicable for Swedish Degrees.

### 5. Information on the function of the qualification

**5.1 Access to further study:**

Not applicable.

**5.2 Professional status (if applicable):**

Not applicable.

### 6. Additional information

**6.1 Additional information:**

See Degree Certificate/Official Transcript of Records for possible transferred studies and/or exchange studies.

**6.2 Further information sources:**

Stockholm University  
SE-106 91 Stockholm  
+46 (0)8 162000  
www.su.se

National Qualifications Framework  
www.uhr.se

ENIC-NARIC Sweden  
Swedish Council for Higher Education  
www.uhr.se

### 7. Certification of the supplement

**7.1 Date:** 9 January 2019

**7.2 Signature:**

*Signatur*

**7.3 Capacity:** Senior Administrative Officer

**7.4 Official stamp or seal:**

### 8. Information on the national higher education system

For information on the Swedish higher education system, please see enclosure.

# The Swedish higher education system

According to legislation after 1 January 2007.

The following description is approved by the Swedish Council for Higher Education.

The Swedish higher education system is based on the Swedish Higher Education Act (SFS 1992:1434) and the 1 January 2007 amendments to the Higher Education Ordinance (1993:100). The following description is a short summary based on the legislation regulating the Swedish higher education system.

Qualifications from all higher education institutions (universities, university colleges and independent higher education providers) that are recognized by the Government are of equal official value. The same legislation governs all state higher education institutions. All Swedish degrees are issued in accordance with the same degree ordinances.

## Quality assurance

The Swedish Higher Education Authority has been responsible for the quality assurance system for all higher education since 1 January 2013. For more information, please visit [www.uka.se](http://www.uka.se). Evaluation reports are available to the public.

## National Qualification Frameworks

The Swedish Higher Education Act and the Higher Education Ordinance have been amended in accordance with the agreements reached as part of the Bologna Process, including the Qualifications Frameworks in the European Higher Education Area (QF-EHEA). Legislation for a three-cycle structure of higher education started to apply in July 2007, and is now the only one in use in all Swedish higher education. Transitional provisions apply to courses and programmes that started prior to this. For more information, please visit [www.uhr.se/en](http://www.uhr.se/en) or [enic-naric.net](http://enic-naric.net).

In 2015, the Swedish Government decided on a national qualifications framework (SeQF), based on the European Qualifications Framework for Lifelong Learning (EQF). The SeQF has eight levels that are in accordance with the EQF

levels. Higher education qualifications are at levels six to eight. For more information, please visit [www.seqf.se](http://www.seqf.se).

## Credit system

Sweden has a system of credits (högskolepoäng); a normal 40-week academic year corresponds to 60 credits. The system is compatible with ECTS credits.

## Grading system

There is no national grading system in Sweden. Higher education institutions may determine which grading system is to be used. No overall grade is awarded for a degree and students are not ranked. For example, Grade Point Average (GPA) and other ranking systems are not used in Sweden.

## Access and admission

There are general and specific entry requirements for access to higher education within all cycles. The specific entry requirements vary according to the field of higher education and/or should be essential for students to be able to benefit from the course or study programme. The number of places is limited on all study programmes and courses.

The general entry requirements for first-cycle studies are the same for all higher education. General entry requirements can be attained by completing an upper-secondary school programme, via adult education at upper-secondary school level or the applicants achieving a comparable level of learning outcomes through other education, practical experience or other circumstances.

The general entry requirements for second-cycle studies are a first-cycle qualification of at least 180 credits, or a corresponding foreign qualification. An applicant may also be accepted on the basis of a comparable level of learning outcomes obtained through other education, practical experience or other circumstances. →

The general entry requirements for third-cycle studies are a second-cycle qualification, or completed courses worth at least 240 credits (of which 60 credits are at second-cycle level) or the equivalent level of knowledge acquired in Sweden or abroad. Furthermore, for entry to third-cycle studies, the applicant must be deemed able to benefit from the education.

## Qualifications

All courses, study programmes and qualifications are on one of three levels: first-, second- or third-cycle. In the Higher Education Ordinance, the Government has determined which qualifications may be awarded, as well as their scope, requirements and intended learning outcomes. There are three categories of qualifications: general; the fine, applied and performing arts; and professional qualifications. For some more information, please see below.

## General qualifications

### First-cycle (SeQF/EQF 6)

*Högskoleexamen* (Higher Education Diploma) requires 120 credits and an independent project (degree project).

*Kandidatexamen* (Degree of Bachelor) requires 180 credits. At least 90 credits must be completed in the main field of study, including an independent project (degree project) worth 15 credits.

### Second-cycle (SeQF/EQF 7)

*Magisterexamen* (Degree of Master (60 credits)) requires 60 credits. At least 30 credits must be completed in the main field of study, including an independent project (degree project) worth 15 credits. In addition, the student must normally hold a kandidatexamen, or a professional degree of at least 180 credits, or an equivalent foreign degree.

*Masterexamen* (Degree of Master (120 credits)) requires 120 credits. At least 60 credits must be completed in the main field of study, including an independent project (degree project) worth at least 30 credits. In addition, the student must normally hold a kandidatexamen, or a professional degree of at least 180 credits or an equivalent foreign degree.

### Third-cycle (SeQF/EQF 8)

*Licentiatexamen* (Degree of Licentiate) requires at least 120 credits, including a research thesis worth at least 60 credits. A higher education institution may decide that a licentiatexamen can be awarded as a separate qualification or as a step on the way to doktorsexamen (see below).

*Doktorsexamen* (Degree of Doctor) requires 240 credits, including a research thesis (doctoral thesis) worth at least 120 credits. The thesis must be presented at a public defence.

## Qualifications in the fine, applied and performing arts

Qualifications in the fine, applied and performing arts are awarded at all three cycles and corresponding SeQF levels. At first-cycle level: konstnärlig högskoleexamen (Higher Education Diploma) and konstnärlig kandidatexamen (Degree of Bachelor of Fine Arts). At second-cycle level: konstnärlig magisterexamen (Degree of Master of Fine Arts (60 credits)) and konstnärlig masterexamen (Degree of Master of Fine Arts (120 credits)). Two third-cycle qualifications are awarded: konstnärlig licentiatexamen (Degree of Licentiate) and konstnärlig doktorsexamen (Degree of Doctor).

## Professional qualifications

Professional qualifications are offered at either first- or second-cycle level and corresponding SeQF levels. These qualifications may stretch over two cycles and are awarded in areas that include engineering, health care, agriculture, law, and education. Professional qualifications are regulated by national legislation and are considered regulated education subject to the Professional Qualifications Directive 2005/36/EC.

## Titles of qualifications

Translations into English of all titles of qualifications are regulated at the national level. Higher education institutions may decide to add a prefix to a qualification title e.g. filosofie kandidatexamen or medicine doktorsexamen or/and add a major field of studies e.g. civilingenjörsexamen i maskinteknik.



**Karolinska  
Institutet**



**Stockholms  
universitet**

*Examensbevis/Degree Certificate*

*Personnummer/Student identification number 19*

*har avlagt/has been awarded*

**Medicine masterexamen  
Degree of Master of Medical  
Science (120 credits)**

**med huvudområdet hälsoinformatik  
with a major in Health Informatics**

**Filosofie masterexamen  
Degree of Master of Science  
(120 credits)**

**Huvudområde: Hälsoinformatik  
Main Field of Study: Health Informatics**

*Utfärdat/issued*

**30 september 2019/ 30 September 2019**

**Elisabeth Larsson  
Examenshandläggare/Senior Administrative Officer**

**Homa Hasanvan  
Examenshandläggare/Senior Administrative Officer**

Namn/Name

19 Personnummer/Personal identity number

Kurs Course	Högskolepoäng Credits	Betyg Grade	Datum Date
Hälsoinformatik - behov, mål och begränsningar <sup>1</sup> <i>Health informatics - needs, objectives and limitations</i>	5,0	Utmärkt <sup>2</sup> <i>Excellent</i>	2014-09-19
Kompletteringskurs i data- och systemvetenskap <i>Supplementary course in Computer and Systems Sciences</i>	15,0	Bra <sup>3</sup> <i>Good</i>	2014-11-30
Informationssystem i hälso- och sjukvården <sup>1</sup> <i>Computer applications in health care and biomedicine</i>	10,0	Bra <sup>2</sup> <i>Good</i>	2015-01-18
Verksamhetsanalys och användarkravhantering <sup>1</sup> <i>User needs and requirements engineering</i>	7,5	Bra <sup>2</sup> <i>Good</i>	2015-02-27
Utvärdering inom hälsoinformatik <sup>1</sup> <i>Evaluation methods for health informatics</i>	5,0	Mycket bra <sup>2</sup> <i>Very good</i>	2015-04-07
Projekt inom hälsoinformatik - från idé till specifikation <sup>1</sup> <i>Projects in health informatics - from idea to specification</i>	5,0	Mycket bra <sup>2</sup> <i>Very good</i>	2015-05-10
Fallstudier inom hälsoinformatik <sup>1</sup> <i>Case studies in health informatics</i>	5,0	Bra <sup>2</sup> <i>Good</i>	2015-05-18
Projekt inom hälsoinformatik - projektledning och informationshantering <i>Projects in health informatics - Project and Information Management</i>	5,0	Mycket bra <sup>3</sup> <i>Very good</i>	2015-06-05
Standardisering inom hälsoinformatik <sup>1</sup> <i>Standardisation within health informatics</i>	2,5	Bra <sup>2</sup> <i>Good</i>	2015-08-28
Kliniskt beslutsstöd <sup>1</sup> <i>Clinical decision support</i>	5,0	Bra <sup>2</sup> <i>Good</i>	2015-10-18
Modellering, simulering och visualisering inom hälsoinformatik <i>Modelling, simulation and visualisation in health informatics</i>	5,0	Bra <sup>3</sup> <i>Good</i>	2015-11-27
Praktisk projektledning <i>Practical Project Management</i>	7,5	Bra <sup>3</sup> <i>Good</i>	2016-09-28
Vetenskaplig kommunikation och forskningsmetodik <i>Scientific Communication and Research Methodology</i>	7,5	Bra <sup>3</sup> <i>Good</i>	2017-01-17
Hantering av stordata och öppen data <i>Open and Big Data Management</i>	7,5	Bra <sup>3</sup> <i>Good</i>	2018-11-02
Examensarbete i hälsoinformatik <sup>1</sup> <i>Degree Project in Health Informatics</i>	30,0	Bra <sup>2</sup> <i>Good</i>	2019-06-10

Examen har avlagts i enlighet med högskoleförordningen (SFS 1993:100). Medicine masterexamen och Filosofie masterexamen är en examen på avancerad nivå och omfattar 120 högskolepoäng. Ett års heltidsstudier om 40 veckor motsvarar 60 högskolepoäng.

*The Degree has been awarded in accordance with the Higher Education Ordinance (SFS No: 1993:100). A Degree of Master of Medical Science and a Degree of Master of Science is a second cycle qualification and comprises 120 credits. A 40-week academic year, full-time study, corresponds to 60 credits.*

#### Noter/Notes

- 1 Kurs läst vid Karolinska institutet  
*Course taken at Karolinska institutet*
- 2 Betygsskala: Utmärkt (A), Mycket bra (B), Bra (C), Tillfredsställande (D), Tillräckligt (E)  
*Grading scale: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E)*
- 3 Betygsskala: Utmärkt (A), Mycket bra (B), Bra (C), Tillfredsställande (D), Tillräckligt (E)  
*Grading scale: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E)*



## DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

### 1. Information identifying the holder of the qualification

- 1.1 Family name: [REDACTED]
- 1.2 Given name: [REDACTED]
- 1.3 Date of birth (day/month/year): [REDACTED]
- 1.4 Student identification number or code (if available): 19 [REDACTED]

### 2. Information identifying the qualification

- 2.1 Name of qualification and (if applicable) title conferred (in original language):  
Medicine masterexamen och Filosofie masterexamen
- 2.2 Main field(s) of study for the qualification:  
Health Informatics.
- 2.3 Name and status of awarding institution (in original language):  
Karolinska institutet (State higher education institution with status of university) and Stockholms universitet (State higher education institution with status of university).
- 2.4 Name and status of institution (if different from 2.3) administering studies (in original language):  
Not applicable.
- 2.5 Language(s) of instruction:  
English.

### 3. Information on the level of the qualification

- 3.1 Level of qualification:  
Second cycle. For more information on higher education in Sweden, please refer to section 8.
- 3.2 Official length of programme:  
120 credits (ECTS). The extent of a course or study programme is denoted by credits, with full-time study during a normal academic year of 40 weeks corresponding to 60 credits.
- 3.3 Access requirement(s):  
To be admitted to second-cycle studies the applicant must meet the general entry requirements as well as any specific entry requirements that may be prescribed.

A person meets the general entry requirements for courses or study programmes that lead to the award of a second-cycle qualification if he or she

- 1. possesses a first-cycle qualification comprising at least 180 credits or a corresponding qualification from abroad, or
- 2. by virtue of courses and study programmes in Sweden or abroad, practical experience or some other circumstance has the aptitude to benefit from the course or study programme.

An exemption may be made to the requirement of a qualification pursuant to item 1 if an applicant is considered to meet the requirements for the award of such a qualification but no certificate has been issued due to special circumstances.

A person meets the general entry requirements for second-cycle courses and study programmes other than those laid down above if he or she has completed first-cycle courses and study programmes or fulfils the conditions laid down in item 2.

### 4. Information on the contents and results gained

- 4.1 Mode of study:  
Full-time equivalent.
- 4.2 Programme requirements:  
Scope  
A Degree of Master (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 Degree of Bachelor, a Degree of Bachelor in Fine Arts, a 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 Degree of 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 Degree of Master (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, autonomously 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 Degree of Master (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 Degree of Master (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 Degree of Master (120 credits) with a defined specialisation.

- 4.3 Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained (if this information is available on an official transcript this should be used here):**  
See Degree Certificate/Official Transcript.
  - 4.4 Grading scheme and, if available, grade distribution guidance:**  
See degree certificate/official transcript of records.
  - 4.5 Overall classification of the qualification (in original language):**  
Not applicable for Swedish qualifications.
- 5. Information on the function of the qualification**
    - 5.1 Access to further study:**  
The degree gives access to third-cycle studies. For more information on higher education in Sweden, please refer to section 8.
    - 5.2 Professional status (if applicable):**  
Not applicable.
  - 6. Additional information**
    - 6.1 Additional information:**  
This is a joint degree awarded by Karolinska institutet and Stockholm University after completion of the Joint Master's Programme in Health Informatics. See Degree Certificate/Official Transcript of Record for possible transferred studies, exchange studies, and work practice.
    - 6.2 Further information sources:**  
Stockholm University  
SE-106 91 Stockholm  
+46 (0)8 162000  
www.su.se

National Qualifications Framework  
www.uhr.se

ENIC-NARIC Sweden  
Swedish Council for Higher Education  
www.uhr.se

**7. Certification of the supplement**

7.1 **Date:** 30 September 2019

7.2 **Signature:**



7.3 **Capacity:** Senior Administrative Officer

7.4 **Official stamp or seal:**

**8. Information on the national higher education system**

For information on the Swedish higher education system, please see enclosure.



*Examensbevis/Degree Certificate*

  
Personnummer/*Student identification number* 19 

*har avlagt/has been awarded*

**Teknologie masterexamen**  
*Degree of Master of Science*  
*(120 credits)*

**Huvudområde: Matematik**  
*Main Field of Study: Mathematics*


**Filosofie masterexamen**  
*Degree of Master of Science*  
*(120 credits)*

**Huvudområde: Matematik**  
*Main Field of Study: Mathematics*

*Utfärdat/issued*

*25 juni 2019/ 25 June 2019*

  
**Sigbritt Karlsson**  
Rektor vid Kungliga Tekniska högskolan, KTH/  
*President of KTH Royal Institute of Technology,*  
*Sweden*

  
**Astrid Söderbergh Widding**  
Rektor vid Stockholms universitet/  
*President of Stockholm University, Sweden*

Kurs Course	Högskolepoäng Credits	Betyg Grade	Datum Date
Matematisk kommunikation <i>Mathematical Communication</i>	7,5	Utmärkt <sup>1</sup> <i>Excellent</i>	2016-01-11
Grafteori <sup>2</sup> <i>Graph Theory</i>	7,5	Bra <sup>3</sup> <i>Good</i>	2016-01-11
Valda ämnen i matematik II <sup>2</sup> <i>Selected Topics in Mathematics II</i>	7,5	Tillfredsställande <sup>3</sup> <i>Satisfactory</i>	2016-06-10
Topologi <i>Topology</i>	7,5	Bra <sup>1</sup> <i>Good</i>	2016-08-23
Avancerad reell analys I <sup>2</sup> <i>Advanced Real Analysis I</i>	7,5	Bra <sup>3</sup> <i>Good</i>	2017-01-10
Optimering <i>Optimization</i>	7,5	Utmärkt <sup>1</sup> <i>Excellent</i>	2017-01-12
Algebraisk geometri och kommutativ algebra <i>Algebraic geometry and commutative algebra</i>	7,5	Mycket bra <sup>1</sup> <i>Very good</i>	2017-02-14
Vetenskaplighet och forskningsetik <i>Scientific Methods and Research Ethics</i>	7,5	Utmärkt <sup>1</sup> <i>Excellent</i>	2017-03-17
Krypteringsmatematik <i>Mathematics of cryptography</i>	7,5	Utmärkt <sup>1</sup> <i>Excellent</i>	2017-05-19
Metamatematik och bevis teori <i>Metamathematics and proof theory</i>	7,5	Utmärkt <sup>1</sup> <i>Excellent</i>	2017-05-22
Homologisk algebra och algebraisk topologi <sup>2</sup> <i>Homological Algebra and Algebraic Topology</i>	7,5	Utmärkt <sup>3</sup> <i>Excellent</i>	2017-12-19
Matematik, självständigt arbete <i>Mathematics, Degree Project</i>	30,0	Utmärkt <sup>1</sup> <i>Excellent</i>	2019-01-31
Teori för beräkningar och formella språk <i>Theory for computation and formal languages</i>	7,5	Utmärkt <sup>1</sup> <i>Excellent</i>	2019-05-30

Examen har avlagts i enlighet med högskoleförordningen (SFS 1993:100). Teknologie masterexamen och Filosofie masterexamen är en examen på avancerad nivå och omfattar 120 högskolepoäng. Ett års heltidsstudier om 40 veckor motsvarar 60 högskolepoäng.

*The Degree has been awarded in accordance with the Higher Education Ordinance (SFS No: 1993:100). A Degree of Master of Science is a second cycle qualification and comprises 120 credits. A 40-week academic year, full-time study, corresponds to 60 credits.*

#### Noter/Notes

- 1 Betygsskala: Utmärkt (A), Mycket bra (B), Bra (C), Tillfredsställande (D), Tillräckligt (E)  
*Grading scale: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E)*
- 2 Kurs läst vid Kungliga Tekniska högskolan  
*Course taken at Royal Institute of Technology*
- 3 Betygsskala: Utmärkt (A), Mycket bra (B), Bra (C), Tillfredsställande (D), Tillräcklig (E)  
*Grading scale: Excellent (A), Very Good (B), Good (C), Satisfactory (D), Sufficient (E)*



## DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

### 1. Information identifying the holder of the qualification

- 1.1 **Family name:** [REDACTED]
- 1.2 **Given name:** [REDACTED]
- 1.3 **Date of birth (day/month/year):** [REDACTED]
- 1.4 **Student identification number or code (if available):** 19 [REDACTED]

### 2. Information identifying the qualification

- 2.1 **Name of qualification and (if applicable) title conferred (in original language):**  
Teknologie masterexamen och Filosofie masterexamen
- 2.2 **Main field(s) of study for the qualification:**  
Mathematics.
- 2.3 **Name and status of awarding institution (in original language):**  
Kungliga Tekniska högskolan (State higher education institution with status of university) och Stockholms universitet (State higher education institution with status of university).
- 2.4 **Name and status of institution (if different from 2.3) administering studies (in original language):**  
Not applicable.
- 2.5 **Language(s) of instruction:**  
English.

### 3. Information on the level of the qualification

- 3.1 **Level of qualification:**  
Second cycle degree, 2 years. For more information on higher education in Sweden, please refer to section 8.
- 3.2 **Official length of programme:**  
120 credits (ECTS). The extent of a course or study programme is denoted by credits, with full-time study during a normal academic year of 40 weeks corresponding to 60 credits.
- 3.3 **Access requirement(s):**  
General entry requirements for courses or study programmes that lead to the award of a second-cycle qualification are: first-cycle qualification comprising at least 180 credits or a corresponding qualification from abroad, or by virtue of courses and study programmes in Sweden or abroad, practical experience or some other circumstance has the aptitude to benefit from the course or study programme.

### 4. Information on the contents and results gained

- 4.1 **Mode of study:**  
Full-time equivalent.
- 4.2 **Programme requirements:**  
Scope  
A Degree of Master (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 Degree of Bachelor, a Degree of Bachelor in Fine Arts, a 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 Degree of 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 Degree of Master (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, autonomously 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 Degree of Master (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 Degree of Master (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 Degree of Master (120 credits) with a defined specialisation.

- 4-3 **Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained (if this information is available on an official transcript this should be used here):**  
See Degree Certificate/Official Transcript.
- 4-4 **Grading scheme and, if available, grade distribution guidance:**  
See degree certificate/official transcript of records. Unless otherwise prescribed in the course syllabus, Stockholm University and KTH Royal Institute of Technology uses a seven-point grading scale related to the learning objects of the course: Fail (F, FX), Sufficient (E), Satisfactory (D), Good (C), Very Good (B), Excellent (A).
- 4-5 **Overall classification of the qualification (in original language):**  
Not applicable for Swedish qualifications.

### 5. Information on the function of the qualification

- 5.1 **Access to further study:**  
The degree gives access to third-cycle studies. For more information on higher education in Sweden, please refer to section 8.
- 5.2 **Professional status (if applicable):**  
Not applicable.

### 6. Additional information

- 6.1 **Additional information:**  
This is a joint degree awarded by KTH Royal Institute of Technology and Stockholm University after completion of the Joint Master's Programme in Mathematics. See Degree Certificate/Official Transcript of Record for possible transferred studies, exchange studies, and work practice.
- 6.2 **Further information sources:**  
Stockholm University  
SE-106 91 Stockholm  
+46 (0)8 162000  
www.su.se

KTH Royal Institute of Technology  
SE-100 44 Stockholm  
+4687906000  
www.kth.se

National Qualifications Framework  
www.uhr.se

ENIC-NARIC Sweden  
Swedish Council for Higher Education

**7. Certification of the supplement**

7.1 **Date:** 25 June 2019

7.2 **Signature:**

7.3 **Capacity:** Senior Administrative Officer

7.4 **Official stamp or seal:**

**8. Information on the national higher education system**

For information on the Swedish higher education system, please see enclosure.



Examensbevis | *Degree Certificate*

# Ämneslärarexamen med inriktning mot arbete i gymnasieskolan

*Degree of Master of Science in Upper Secondary Education*

[REDACTED]  
19 [REDACTED]

Stockholm den 2 oktober 2019  
*Stockholm 2 October 2019*

[REDACTED]  
Sigbritt Karlsson  
Rektor vid Kungliga Tekniska högskolan, KTH/  
*President of KTH Royal Institute of Technology, Sweden*

[REDACTED]  
Astrid Söderbergh Widding  
Rektor vid Stockholms universitet/  
*President of Stockholm University, Sweden*



Namn/Name

19

Personnummer/ Personal identity number

## Undervisningsämnen:

Fysik och matematik

## Teaching Subjects:

Physics and Mathematics

Kurs Course	Högskolepoäng Credits	Betyg Grade	Datum Date
Ämnesdidaktik, läroplansteori, betyg och bedömning <i>Science Education, Curriculum Studies and Assessment</i>	10,0	Utmärkt <sup>1</sup> <i>Excellent</i>	2018-02-21
Teorier om lärande och individens utveckling - Kompletterande pedagogisk utbildning <i>Perspectives on learning and development - Bridging Teacher Education</i>	5,0	Mycket bra <sup>1</sup> <i>Very good</i>	2018-06-08
Verksamhetsförlagd utbildning 1 <sup>2</sup> <i>School Placement 1</i>	12,0	Väl godkänd <sup>3</sup> <i>Pass with Distinction</i>	2018-06-12
Sociala relationer och ledarskap <sup>2</sup> <i>Social Relations and Leadership</i>	7,5	Utmärkt <sup>4</sup> <i>Excellent</i>	2018-06-27
Utbildning, skola och samhälle - nutida och historiska perspektiv <sup>2</sup> <i>Education, School and Society - Contemporary and Historical Perspectives</i>	6,0	Mycket bra <sup>4</sup> <i>Very Good</i>	2018-08-21
Verksamhetsförlagd utbildning 2 <sup>2</sup> <i>Placement 2</i>	3,0	Godkänd <sup>5</sup> <i>Pass</i>	2018-08-22
Specialpedagogik - ungdomar och vuxna - KPU <i>Special Education - Youth and Adults - KPU</i>	5,0	Bra <sup>1</sup> <i>Good</i>	2018-12-10
Ämnesdidaktik - undervisning och lärande i naturvetenskap <i>Science Education - Teaching and Learning in Science</i>	5,0	Utmärkt <sup>1</sup> <i>Excellent</i>	2018-12-18
Ämnesdidaktik - undervisning och lärande i matematik <i>Mathematic Education - Teaching and Learning in Mathematics</i>	5,0	Utmärkt <sup>1</sup> <i>Excellent</i>	2019-01-08
Programintegrerande kurs för kompletterande pedagogisk utbildning för forskarutbildade <sup>2</sup> <i>Programme Integrating Course for Bridging Teacher Education Programme for Graduates with a Third Cycle Degree</i>	1,5	Godkänd <sup>5</sup> <i>Pass</i>	2019-01-14
Verksamhetsförlagd utbildning 3 <sup>2</sup> <i>School Placement 3</i>	15,0	Väl godkänd <sup>3</sup> <i>Pass with Distinction</i>	2019-01-28
Självständigt arbete för ämneslärare inom kompletterande pedagogisk utbildning <i>Degree Project in Science Education in Postgraduate programme in Education (PGCE)</i>	15,0	Mycket bra <sup>1</sup> <i>Very good</i>	2019-05-03
Fysik <sup>6</sup> <i>Physics</i>	120,0	-	2019-10-02 <sup>7</sup>
Matematik <sup>6</sup> <i>Mathematics</i>	90,0	-	2019-10-02 <sup>7</sup>

Examen har avlagts i enlighet med högskoleförordningen (SFS 1993:100). Ämneslärarexamen med inriktning mot arbete i gymnasieskolan är en examen på avancerad och omfattar 300 högskolepoäng i enlighet med SFS 2011:686. Ett års heltidsstudier om 40 veckor motsvarar 60 högskolepoäng.

*The Degree has been awarded in accordance with the Higher Education Ordinance (SFS No: 1993:100). A Degree of Master of Science in Upper Secondary Education is a second cycle qualification and comprises 300 credits in accordance with Ordinance SFS No: 2011:686. A 40-week academic year, full-time study, corresponds to 60 credits.*

Noter/Notes

- 1 Betygsskala: Utmärkt (A), Mycket bra (B), Bra (C), Tillfredsställande (D), Tillräckligt (E)  
*Grading scale: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E)*
- 2 Kurs läst vid Kungliga Tekniska högskolan  
*Course taken at Royal Institute of Technology*
- 3 Betygsskala: Väl godkänd (VG), Godkänd (G)  
*Grading scale: Pass with Distinction (VG), Pass (G)*
- 4 Betygsskala: Utmärkt (A), Mycket bra (B), Bra (C), Tillfredsställande (D), Tillräcklig (E)  
*Grading scale: Excellent (A), Very Good (B), Good (C), Satisfactory (D), Sufficient (E)*
- 5 Betygsskala: Godkänd (P)  
*Grading scale: Pass (P)*
- 6 Tillgodoräknade studier från Uppsala universitet  
*Transferred studies from Uppsala University*
- 7 Beslutsdatum  
*Date of decision*



## DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

### 1. Information identifying the holder of the qualification

- 1.1 **Family name(s)** [REDACTED]
- 1.2 **Given name(s)** [REDACTED]
- 1.3 **Date of birth (day/month/year)** [REDACTED] 19 [REDACTED]
- 1.4 **Student identification number or code (if available)** 19 [REDACTED]

### 2. Information identifying the qualification

- 2.1 **Name of qualification and (if applicable) title conferred (in original language)**  
Ämneslärarexamen med inriktning mot arbete i gymnasieskolan (Degree of Master of Science in Upper Secondary Education)
- 2.2 **Main field(s) of study for the qualification**  
Physics and Mathematics.
- 2.3 **Name and status of awarding institution (in original language)**  
Stockholms universitet (Stockholm University) och Kungliga Tekniska högskolan (KTH Royal Institute of Technology).  
State higher education institution with status of university.
- 2.4 **Name and status of institution (if different from 2.3) administering studies (in original language)**  
Not applicable.
- 2.5 **Language(s) of instruction/examination**  
Mainly Swedish.

### 3. Information on the level of the qualification

- 3.1 **Level of qualification**  
Avancerad nivå/Second-cycle QF-EHEA SeQF 7/EQF 7.  
For information on the Swedish higher education system, see section 8.
- 3.2 **Official length of programme**  
240/330 högskolepoäng (credits)/240/330 ECTS. Duration of 4/5,5 years of full-time studies. A normal 40-week academic year corresponds to 60 credits (högskolepoäng). One credit corresponds to 1 ECTS credit.
- 3.3 **Access requirement(s)**  
There are general and (additional) specific entry requirements that should be fulfilled for access to higher education within all cycles. The general entry requirements for first-cycle studies are the same for all higher education. General entry requirements can be attained by completing an upper-secondary school programme, via adult education at upper-secondary school level or the applicants achieving a comparable level of learning outcomes through other education, practical experience or other circumstances.

### 4. Information on the contents and results gained

- 4.1 **Mode of study**  
Full-time equivalent.
- 4.2 **Programme requirements**  
The Swedish Higher Education Act takes account of 1) courses and study programmes based on scholarship or artistic practice and on proven experience, and 2) research and artistic research as well as development work. Reference to research below also applies to artistic research.

According to the Swedish Higher Education Act, second-cycle courses and study programmes shall (in addition to the requirements for first-cycle courses and study programmes): further develop the ability of students to integrate and make autonomous use of their knowledge; develop the ability to deal with complex phenomena, issues and situations; and develop

the potential for professional activities that demand considerable autonomy, or for research and development work. (For further information, see The Swedish Higher Education Act and The Higher Education Degree Ordinance: [www.uhr.se/en](http://www.uhr.se/en))

**4.3 Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained (if this information is available on an official transcript this should be used here)**

A requirement for the award of a Degree of Master of Arts/Science in Secondary Education//Upper 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.

Since 1 January 2016, local qualification descriptors are available, adopted by the academic area boards based on a common model. The local qualification descriptors cover general firststand second-cycle qualifications. The programme syllabi fill the same function for professional qualifications, and the general syllabi contain the provisions for third-cycle qualifications. For further information, visit [www.su.se](http://www.su.se).

For more information, see Degree Certificate/Official Transcript.

**4.4 Grading scheme and, if available, grade distribution guidance**

There is no national grading system in Sweden. Higher education institutions may determine which grading system is to be used. For more information, see Degree Certificate/Official Transcript.

**4.5 Overall classification of the qualification (in original language)**

Not applicable for Swedish qualifications, since no overall grade is awarded for a degree and students are not ranked. For example, Grade Point Average (GPA) and other ranking systems are not used in Sweden.

**5. Information on the function of the qualification**

**5.1 Access to further study**

The degree gives access to third-cycle studies (doctoral studies).

**5.2 Professional status (if applicable)**

After the successful completion of a degree programme and the award of *Ämneslärarexamen med inriktning mot arbete i grundskolans årskurs 7–9* (Degree of Master of Arts/Science in Secondary Education)/ *Ämneslärarexamen med inriktning mot arbete i gymnasieskolan* (Degree of Master of Arts/Science in Upper Secondary Education) a license to practice (full registration) is granted by the Swedish National Agency for Education (Skolverket) [www.skolverket.se](http://www.skolverket.se).

The Degree of Master of Arts/Science in Secondary Education/the Degree of Master of Arts/Science in Upper Secondary Education corresponds to the qualification level referred to in point (e) of Article 11 of Directive 2005/36/EC.

**6. Additional information**

**6.1 Additional information**

This is a joint degree awarded by Stockholm University and KTH Royal Institute of Technology after completion of the Bridging Teacher Education Programme in Mathematics, Science and Technology for Graduates with a Third Cycle Degree. See Degree Certificate/Official Transcript of Record for possible transferred studies, exchange studies, and work practice.

**6.2 Further information sources**

Stockholm University  
SE-106 91 Stockholm  
+46 (0)8 162000  
[www.su.se](http://www.su.se)

KTH Royal Institute of Technology  
SE-100 44 Stockholm  
+4687906000  
[www.kth.se](http://www.kth.se)

The Swedish Council for Higher Education (Universitets- och högskolerådet) has been commissioned to act as the Swedish NARIC and is also part of ENIC. The ENIC-NARIC office provide information on education in Sweden. Please see: <http://www.uhr.se>

For information on Professional Qualifications Directive, Swedish National Assistance Centre for the Recognition of Professional Qualifications (Professional Qualifications Directive 2005/36/EC): [pqinfo@uhr.se](mailto:pqinfo@uhr.se)

For information on quality assurance, Swedish Higher Education Authority: <http://english.uka.se>

**7. Certification of the supplement**

**7.1 Date** 2 October 2019

**7.2 Signature**



**7.3 Capacity Senior Administrative Officer**

**7.4 Official stamp or seal**

**8. Information on the national higher education system**

See attached information on the The Swedish higher education system.