

CHALMERS

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**Local Qualifications Framework for
Chalmers University of Technology
– third cycle qualifications
Policy document at Chalmers**

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1. Introduction

On 28 June 2007, the Government decided that with effect from 1 July 2007 Chalmers University of Technology AB ("Chalmers") will be entitled to award the qualifications specified in this local qualifications framework (Government decisions U2006/9375/UH, U2007/4718/UH).

This qualifications framework applies to third cycle degrees awarded from 1 July 2007 onwards and is based on the Higher Education Ordinance (1993:100), Annex 2, Qualifications Ordinance (SFS 2006:1053). This document replaces previous decision regarding the part of the "Local Qualifications Framework for Chalmers University of Technology ref. no. C 2017-0684" that concerns third cycles qualifications.

The qualifications framework for third cycle qualifications is also based on decisions pertaining to the following local requirements (qualifications descriptors) at Chalmers University of Technology:

- Centrally organized courses within Ethics and Pedagogy for third-cycle students admitted from 1 January 2005 (ref. no. C 2004-603 Omorganisation av forskarutbildningen)
- Compulsory introductory day for third-cycle students admitted from 1 January 2005 (ref. no. C 2005/1218)
- Study package within Generic and transferable skills (GTS) (9 credits for licentiate degree and 15 credits for doctoral degree) for third-cycle students admitted from 1 September 2012 (ref. no. C 2011/1358 Generellt införande av Generic and transferable skills i forskarutbildningen)
- Participation at Chalmers' joint introductory day for third-cycle students (0-credit module) as well as the popular scientific presentation for third-cycle students admitted from 1 September 2012 (ref. no C 2012-1169 Märkning i LADOK av moment inom Generic and transferable skills)

The official language of communication at Chalmers is Swedish and this English version of the approved policy document is merely a translation. In the event of differences between the qualification's framework in Swedish and the translation in English, the approved qualifications framework in Swedish shall take precedence.

Compilation		
Date	Version	Description
3 Sep 2007	1.0	Local qualifications framework for first, second and third cycle qualifications approved by the President.
29 Jun 2016	1.6	New sections and additions: <ul style="list-style-type: none"> • Overlapping content • Collaborative degrees • Local requirements for third cycle qualifications as regards to course requirements and the programme goals stated for each Graduate School and in Chalmers Rules of Procedure - Doctoral Programmes, ref. no. C 2014-0464

		<ul style="list-style-type: none"> Overall clarification of local qualifications descriptors
16 Nov 2017	1.7	<p>New sections and additions:</p> <ul style="list-style-type: none"> Overall clarification of local qualifications descriptors
22 Jan 2019	1.0	<p>Local Qualifications Framework for Chalmers University of Technology - third cycle qualifications (ref. no. 2018-1486) approved by the Vice President of Research and Graduate Education.</p> <ul style="list-style-type: none"> Local Qualifications Framework for Chalmers University of Technology – first, second and third cycle qualifications (ref. no. C 2017-0684) is divided into two separate documents; one for first and second cycle qualifications and one for third cycle qualifications <p>Decisions incorporated into the current version:</p> <ul style="list-style-type: none"> Centrally organized courses within Ethics and Pedagogy for third-cycle students admitted from 1 January 2005 (ref. no. C 2004-603 Omorganisation av forskarutbildningen) Compulsory introductory day for third-cycle students admitted from 1 January 2005 (ref. no. C 2005/1218) Study package within Generic and transferable skills (GTS) (9 credits for licentiate degree and 15 credits for doctoral degree) for third-cycle students admitted from 1 September 2012 (ref. no. C 2011/1358 Generellt införande av Generic and transferable skills i forskarutbildningen) Participation at Chalmers' joint introductory day for third-cycle students and (0-credit module) as well as the popular scientific presentation for third-cycle students admitted from 1 September 2012 (ref. no. C 2012-1169 Märkning i LADOK av moment inom Generic and transferable skills) The possibility to obtain a degree according to the previous Higher Education Ordinance expires (Möjligheten till att erhålla examen enligt äldre förordning upphör ref. no. C 2018-0514) <p>New sections and additions:</p> <ul style="list-style-type: none"> Double Doctoral Degree Overall clarification of local qualifications descriptors

2. Third Cycle Qualifications awarded by Chalmers

Degree of Licentiate

Degree of Doctor of Philosophy (PhD)

3. Degree certificates

Students who satisfy the requirements for a third cycle qualification are entitled to a degree certificate upon application. The date of issuance and the date when the qualification requirements were satisfied are stated on the degree certificate. Degree certificates are bilingual and issued in Swedish and English. Credited courses in the degree certificate can be stated in other languages than Swedish and English.

Since 1 January 2007, all third cycle degree certificates issued by Chalmers are accompanied by a Diploma Supplement. Diploma Supplements describe the programme and where it fits into the Swedish educational system. Diploma Supplements are intended to facilitate recognition and transfer of a Swedish qualification to make it easier for those with academic qualifications to study or work in other countries.

The degree certificate is a valuable document and is issued only in one original. Only a person who has been granted protected identity or has changed his or her legal gender identity and proves this with an affidavit from the Swedish Tax Agency verifying the change is entitled to receive a new degree certificate for a previously awarded qualification.

4. Grades and scope of education

Final grades shall be given for courses included in the qualification. Unless otherwise stated in the course syllabus, grades are given after the course is completed. A completed course refers to a course for which the student has taken a final examination with a grade of Passed. The grade is given by an examiner appointed by the University. No overall grade is given for the qualification earned. Target-related grading scales are used in Sweden, which means that students are not ranked.

The scope of the course or programme is indicated in credits. Sixty credits correspond to one academic year of full-time study.

5. Overlapping content

Courses whose content partially or entirely overlaps with one or more other courses may not be simultaneously included within the framework of a single qualification.

6. Credit transfer

Credits may be transferred for an entire course or part of a course. Courses with overlapping content may not be simultaneously included in the qualification.

7. Double Doctoral degree

Chalmers and certain external higher education institutions are parties to collaborative agreements whose programme syllabus leads to a double doctoral degree. These collaborative agreements take precedence over the local qualifications in the framework.

After approved studies under the agreement, the student has the right to apply for two separate doctoral degrees, one from Chalmers and one from the partner institution, with the same courses included. Credits for courses studied at the partner university can, after evaluation, be transferred.

8. Transitional provisions

8.1. National transitional provisions

National transitional provisions corresponding to the Higher Education Ordinance (SFS 2006:1053) apply at Chalmers regarding the sections below.

5. A person who has started an educational programme leading to a qualification under the older provisions in Annex 2 (the Qualifications Ordinance) before 1 July 2007 and a person who has been admitted to such a programme before that date but was granted deferment until a time after that date is entitled to complete her or his education and obtain a qualification under the older provisions before the end of June 2015.

6. One credit defining the scope of first, second, or third cycle education before 1 July 2007 is equivalent to one and a half credits under the new provisions.

8. The expression "third cycle education" in the new provisions corresponds to that called "postgraduate education" in the older provisions.

8.2. Local transitional provisions

Local transitional provisions apply at Chalmers as set forth below.

A person who commenced his or her studies before 1 July 2007 must earn the qualification according to the provisions of the Higher Education Ordinance (SFS 2006:1053) and current local System of Qualifications. See 10.1.1 and 10.1.2 respectively 10.2.1 and 10.2.2.

9. Appeals

A decision to reject a student's request for a degree certificate or course certificate may be appealed against. The complaint shall be in writing and sent to the registrar within three weeks of the date the decision was notified.

10. Qualifications descriptors for third cycle qualifications

10.1. Degree of Licentiate

10.1.1 National qualifications descriptor

Scope

A Degree of Licentiate is awarded

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

Outcomes

Knowledge and understanding

For a Degree of Licentiate the third-cycle student shall

- demonstrate knowledge and understanding in the field of research including current specialist knowledge in a limited area of this field as well as specialised knowledge of research methodology in general and the methods of the specific field of research in particular.

Competence and skills

For a Degree of Licentiate the third-cycle student shall

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

Judgement and approach

For a Degree of Licentiate the third-cycle student shall

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

Thesis

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

Miscellaneous

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

10.1.2. Local requirements for the Degree of Licentiate of Engineering effective third cycle students admitted until 31 August 2012

- Have completed the requirements and attained the outcomes stated for the Degree of Licentiate of Engineering in the general study plan of each respective Graduate School
- Participated at the introductory day for third-cycle students
- One course in a pedagogy of a total of 3 credits
- One course in ethics of a total of 3 credits

In case of deviations from Chalmers' local requirements a decision on exemption is required.

10.1.3. Local requirements for the Degree of Licentiate of Engineering effective third cycle students admitted from 1 September 2012

- Have completed the requirements and attained the outcomes stated for the Degree of Licentiate of Engineering in the general study plan of each respective Graduate School
- Courses within Generic and transferable skills (GTS) of at least 9 credits were of career planning, pedagogy as well as ethics and sustainable development is compulsory
- Participation at Chalmers' joint introductory day for third-cycle students

In case of deviations from Chalmers' local requirements a decision on exemption is required.

10.1.4. Title of qualification

The title of the qualification is Teknologie licentiatexamen. The English translation of the title of the qualification is Degree of Licentiate of Engineering. If the foundation qualification was earned in a faculty other than the Faculty of Engineering, the degree is given a designation corresponding to the faculty in which the foundation qualification was earned. The designation is determined by the department upon admission and is used in the degree. Deviations from the predetermined designation must be approved by the department in an individual waiver. In certain individual cases another designation than Teknologie or the designation that corresponds to the faculty where the foundation qualification was earned can be used.

The degree certificate states the doctoral study subject which the degree comprises.

10.2. Degree of Doctor of Philosophy (PhD)

10.2.1. National qualifications descriptor

Scope

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

Outcomes

Knowledge and understanding

For a Degree of Doctor the third-cycle student shall

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

Competence and skills

For a Degree of Doctor the third-cycle student shall

- demonstrate the capacity for scholarly analysis and synthesis as well as to review and assess new and complex phenomena, issues and situations autonomously and critically,
- demonstrate 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,
- demonstrate through a dissertation the ability to make a significant contribution to the formation of knowledge through his or her own research,
- demonstrate the ability in both national and international contexts to present and discuss research and research findings authoritatively in speech and writing and in dialogue with the academic community and society in general,
- demonstrate the ability to identify the need for further knowledge, and
- demonstrate the capacity to contribute to social development and support the learning of others both through research and education and in some other qualified professional capacity.

Judgement and approach

For a Degree of Doctor the third-cycle student shall

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

Research thesis (doctoral thesis)

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

Miscellaneous

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

10.2.2. Local requirements for the Degree of Doctor of Philosophy effective third cycle students admitted until 31 August 2012

- Have completed the requirements and attained the outcomes stated for the Degree of Doctor of Philosophy in the general study plan of each respective Graduate School
- One introductory day for third-cycle students
- One course in a pedagogy of a total of 3 credits
- One course in ethics of a total of 3 credits

In case of deviations from Chalmers' local requirements a decision on exemption is required.

10.2.3. Local requirements for the Degree of Doctor of Philosophy effective third cycle students admitted from 1 September 2012

- Have completed the requirements and attained the outcomes stated for the Degree of Doctor of Philosophy in the general study plan of each respective Graduate School
- Have completed all requirements for the Degree of Licentiate of Engineering (see section 10.1), with exception of the licentiate thesis

- Courses within Generic and transferable skills (GTS) of at least 15 credits (whereof 9 credits within the licentiate studies) as well as the popular scientific presentation

In case of deviations from Chalmers' local requirements a decision on exemption is required.

10.2.4. Title of qualification

The title of the qualification is Teknologie doktorsexamen. The English translation of the title of the qualification is Degree of Doctor of Philosophy (PhD). If the foundation qualification was earned in a faculty other than the Faculty of Engineering, the degree is given a designation corresponding to the faculty in which the foundation qualification was earned. The designation is determined by the department upon admission and is used in the degree. Departures from the predetermined designation must be approved by the department in an individual waiver. In certain individual cases another designation than Teknologie or the designation that corresponds to the faculty where the foundation qualification was earned can be used.

The degree certificate states the doctoral study subject which the degree comprises.

11. Validity of the document:

This policy document is valid from 22 January 2019 until further notice.