Only those regulations published by the Georg-August-Universität Göttingen in its Official Bulletins are legally binding. Any claims to rights or titles resulting from the English translation of these regulations are expressly excluded.

Faculty of Chemistry:

On 01.08.2017, following the resolution passed by the faculty council of the Faculty of Chemistry dated 05.07.2017, the presidential board of Georg-August-Universität Göttingen approved the fifth amendment to the examination and study regulations for the consecutive master degree programme in "Chemistry" in the version contained in the announcement dated 07.10.2011 (official announcements I no. 10/2011, p. 684), last amended by resolution of the presidential board dated 09.01.2017 (official announcements I no. 1/2017 p. 9), (§ 44 section 1 sentence 2 NHG in the version of the announcement dated 26.02.2007 (Nds. GVBl. p. 69), last amended by Article 4 of the Act dated 15.06.2017 (Nds. GVBl. p. 172); § 37 section 1 sentence 3 no. 5 b), § 44 section 1 sentence 3 NHG).

Faculty of Chemistry:

On 09.01.2017, following the resolution passed by the faculty council of the Faculty of Chemistry dated 16.11.2016, the presidential board of Georg-August-Universität Göttingen approved the fourth amendment to the examination and study regulations for the consecutive master degree programme in "Chemistry" in the version contained in the announcement dated 07.10.2011 (official announcements I no. 10/2011, p. 684), last amended by resolution of the presidential board dated 25.08.2015 (official announcements I no. 41/2015 p. 1091), (§ 44 section 1 sentence 2 NHG in the version of the announcement dated 26.02.2007 (Nds. GVBl. p. 69), last amended by Article 1 of the Act dated 15.12.2015 (Nds. GVBl. p. 384); § 37 section 1 sentence 3 no. 5 b), § 44 section 1 sentence 3 NHG).

Faculty of Chemistry:

On 25.08.2015, following the resolution passed by the faculty council of the Faculty of Chemistry dated 25.02.2015, the presidential board of Georg-August-Universität Göttingen approved the third amendment to the examination and study regulations for the consecutive master degree programme in "Chemistry" in the version contained in the announcement dated 07.10.2011 (official announcements I no. 10/2011, p. 684), last amended by resolution of the presidential board dated 13.08.2013 (official announcements I no. 35/2013 p. 1159), (§ 44 section 1 sentence 2 NHG in the version of the announcement dated 26.02.2007 (Nds. GVBl. p. 69), last amended by Article 11 of the Act dated 16.12.2014 (Nds. GVBl. p. 436); § 37 section 1 sentence 3 no. 5 b), § 44 section 1 sentence 3 NHG).

Faculty of Chemistry:

On 13.08.2013, following the resolution passed by the faculty council of the Faculty of Chemistry dated 08.05.2013, the presidential board of Georg-August-Universität Göttingen approved the second amendment to the examination and study regulations for the consecutive master degree programme in "Chemistry" in the version contained in the announcement dated 07.10.2011 (official announcements I no. 10/2011, p. 684), last amended by resolution of the presidential board dated 11.09.2012 (official announcements I no. 30/2012 p. 1480), (§ 44 section 1 sentence 2 NHG in the version of the announcement dated 26.02.2007 (Nds. GVBl. p. 69), last amended by Article 7 of the Act dated 12.12.2012 (Nds. GVBl. p. 591); §§ 37 section 1 sentence 3 no. 5 b) 44 section 1 sentence 3 NHG).

Faculty of Chemistry:

On 11.09.2012, following the resolution passed by the faculty council of the Faculty of Chemistry dated 04.07.2012, the presidential board of Georg-August-Universität Göttingen approved the first amendment to the examination and study regulations for the consecutive master degree programme in "Chemistry" in the version contained in the announcement dated 07.10.2011 (official announcements I no. 10/2011, p. 684), (§ 44 section 1 sentence 2 NHG in the version of the announcement dated 26.02.2007 (Nds. GVBl. S. 69), amended by Article 1 of the Act dated 20.06.2012 (Nds. GVBl. p. 186); §§ 37 section 1 sentence 3 no. 5 b) 44 section 1 sentence 3 NHG).

Faculty of Chemistry:

On 23.08.2011, following the resolution passed by the faculty council of the Faculty of Chemistry dated 29.06.2011 and the statement by the Senate dated 17.08.2011, the presidential board of the Georg-August-Universität Göttingen has approved the examination and study regulations for the consecutive master degree programme in "Chemistry" (§ 44 section 1 sentence 2 NHG in the version of the announcement dated 26.02.2007 (Nds. GVBl. p. 69), last amended by Article 1 of the Act dated 29.06.2011 (Nds. GVBl. p. 202); § 41 section 2 sentence 2 NHG, § 37 section 1 sentence 3 no. 5 b) NHG, § 44 section 1 sentence 3 NHG).

Study and examination regulations

for the consecutive master degree programme in "Chemistry"

at Georg-August-Universität Göttingen

Table of Contents

§ 1 Scope

(1) The "General examination regulations for bachelor and master programmes, as well as other courses and degrees offered at the University of Göttingen" (APO), apply in their respectively valid forms to the master degree programme in "Chemistry" at the Georg-August-Universität Göttingen.

(2) These regulations stipulate the additional provisions for the consecutive master programme degree in "Chemistry".

§ 2 Aims of the Academic Programme

(1) [1]Building on a bachelor degree programme in Chemistry, the course prepares students for working as independent chemists in research and application-oriented occupational fields. [2]The master programme is characterised by its pronounced focus on research. [3]The extensive course with the highest level of academic content provides thorough scientific specialisation as well as methodological knowledge and experimental skills that can be applied when solving challenging chemical problems independently.

(2) [1]The master degree examination will ascertain whether the examinee has indeed acquired the specialised knowledge and key skills required for the purpose of the degree programme,

understands the relevant connections of the subject, and possesses the ability to apply scientific methods and insights. [2]The master degree examination is a professional and research-oriented qualification, which, in particular, creates the foundation for independent scientific work as part of a doctorate.

§ 3 Academic degree

Once the master degree examination is passed, the Georg-August-Universität Göttingen awards the academic title "Master of Science" (abbreviated: M.Sc.).

§ 4 Recommended prior knowledge

[1]Sufficient proficiency in the English language is recommended as most of the specialised literature for Chemistry is written in English. [2]Individual optional required modules are offered only in English. [3]Applicants whose knowledge of English is slight are advised to engage in appropriate learning before beginning the course of studies.

§ 5 Study and examination advice

(1) The Central Office of Student Affairs of Georg-August-Universität Göttingen offers advice on general questions regarding the eligibility and admissions for a course and the subjects of study.

(2) [1]Course-related subject-specific guidance is provided by the dean of the Faculty of Chemistry or by the subject-specific advisors appointed by the Faculty. [2]The module managers and the lecturers in the individual courses will also provide advice on specific questions pertaining to the individual modules and courses. [3]The specialised study advisory service supports the students in designing their academic programme and core study areas and is intended, in particular, to provide assistance in the event of failed examinations.

(3) The chairperson of the examination board for the bachelor and consecutive master degree programme in "Chemistry" will advise on matters related to the examination.

(4) The dean will conduct an introductory event for the master degree programme at the start of every semester.

§ 6 Examination board

(1) [1]The examination board has five members, who are appointed by the respective group representatives in the faculty council of the Faculty of Chemistry, three members of the professoral group (each of whom is a member of the Institutes for Inorganic Chemistry, Organic and Biomolecular Chemistry and Physical Chemistry), one member of the employee group and one

member of the students' union. [2]At the same time, at least one representative is appointed for each member.

(2)The examination board will choose a chairperson and their deputy from the professoral group.

(3) [1]The examination board can draft proposals for quality assurance and required amendments of the present regulations. [2]Before they are passed on to the faculty council, they must be submitted to the relevant Academic Commission for an opinion.

§ 7 Module examinations: registration and withdrawal

(1) [1]The registration for written module examinations is completed electronically within the period specified by the examination board. [2]Withdrawal without stating reasons (withdrawal) is possible up to a day before the examination date, as far as the time period between the deadline for registration and the examination date is more than a day. [3]Withdrawal is otherwise excluded.

(2) [1]The registration for oral module examinations is completed electronically within the period specified by the examination board. [2]Withdrawal without stating reasons (withdrawal) is possible up to seven days before the examination date, as far as the time period between the deadline for registration and the examination date is more than seven days. [3]Withdrawal is otherwise excluded.

(3) [1]The registration for examinations during the teaching period and practical module examinations is completed electronically within the period specified by the examination board. [2]Withdrawal without stating reasons (withdrawal) is possible up to two weeks before the examination date – which is usually the start of the internship – provided the time period between the deadline for registration and the start of the examination period is more than two weeks. [3]Withdrawal is otherwise excluded.

(4) [1]Registration for other examinations during the teaching period must take place at the start of seminars. [2]Withdrawal from papers is possible up to the announcement of the paper's topic and withdrawal from presentations and co-presentations up to fourteen days before the date of presentation, provided the time period between the deadline for registration and the examination date is more than two weeks. [3]Withdrawal is otherwise excluded.

§ 8 Admission to courses with a restricted number of participants; qualifications for entry to practical laboratory courses

(1) For admission to events (e.g., modules, courses) with a restricted number of places, registrations will be considered according to ranking groups in the following sequence when the registrations exceed the number of places and no identical parallel seminars can be offered:

a. Registration of students for whom the event is a compulsory or optional required event;
b. Registration of students for whom the event is an optional event;

c. Registration of students in other courses of study who are entitled to attend the event as part of their area of professionalisation;

d. Registration of students who wish to attend the event as an additional event;

e. Other registrations of students.

(2) [1]Students who are about to complete their academic studies or who are attending the subject semester in which the module is offered will be given precedence within the individual ranking groups according to section 1; students, who for reasons not attributable to themselves, were unable to receive a place in the previous semester will be given the same precedence. [2]In the event of ranking parity, precedence will be given to students for whom the registration to the module is a precondition for attendance in another module in their degree programme or the module package. [3]The date of registration and then a lottery will be decisive in cases of rank parity.

(3) The procedure must be announced in advance with sufficient notice.

(4) [1]In the event that all students within ranking groups specified under section 1 letters a. to c. in a semester cannot be considered for a course, the Faculty of Chemistry shall specify a sufficiently higher number of places for the next semester within the scope of what is possible in terms of staff and infrastructure. [2]This shall not apply in the event that the expected number of participants will most probably permit consideration of the students assigned to ranking groups as specified in section 2 letters a. to c.

(5) [1]Precondition for the general admission to practical laboratory courses is basically prior participation in the respective safety training. [2]For safety reasons, a precondition for admission to individual laboratory experiments is a colloquium, where it is determined whether the student is sufficiently informed about the practical procedure of the respective experiment and its background.

§ 9 Reassessment of examinations; mandatory study advice

(1) Failed module examinations can be retaken three times.

(2) Anyone who has failed a second re-examination in a compulsory module will be admitted to the third re-examination only after having received mandatory study advice.

(3) [1]In the master degree programme in “Chemistry”, up to two module examinations passed within the standard length of the course can be repeated once each for the purpose of grade improvement. [2]At the request of the student, the grade improvement may be limited to partial examinations. [3]A re-examination for grade improvement must take place no later than the end of the next semester following the announcement of the first passing. The repetition cannot result in any deterioration of the grade.

§ 10 Structure of the course; standard length of the course

(1) The academic programme commences in the winter or the summer semester.

(2) The standard course length is four semesters:

(3) The consecutive master degree programme "Chemistry" cannot be attended on a part-time basis.

(4) The academic programme comprises 120 credits (ECTS credits; short form: C), which are distributed as follows:

a. for the degree programme 78 C,
b. for the area of professionalisation 12 C and
c. for the master thesis 30 C.

(5) [1]These compulsory modules, optional required modules and optional modules are specified in the module overview (Appendix 1). [2]It is at the discretion of the student to decide the times and order in which the modules are attended, provided the qualifications for entry to the individual modules and courses are adhered to. [3]For recommendation on the appropriate academic programme structure, please refer to the study schedule enclosed in Appendix II. [4]The module catalogue and module handbook are published separately in a common electronic version (digital module directory). They form part of these regulations, in as far as the modules are itemised in the module overview (Appendix I).

(6) [1]In the degree programme, the students complete courses covering all aspects of chemistry, which include lectures on special topics of inorganic, organic, physical and applied chemistry with a total rating of 24 C and two method modules on modern analysis techniques with a total rating of 6 C. [2]Advanced internship modules and lectures on specialisation with a total rating of 48 C can be chosen additionally. [3]In the area of professionalisation, modules with a rating of 12 C, for which natural science modules are offered in addition to practical modules of the four subject areas theoretical chemistry, biomolecular chemistry, catalysis chemistry and macromolecular chemistry, must be completed successfully. [4]Of these 12 C, up to 6 C can be obtained in the form of freely selectable key competence modules.

(7) [1]It is possible to complete part of the academic programme abroad. [2]There are agreements on student exchange programmes with a number of different universities abroad. [3]The faculty makes these public in a suitable manner. [4]Results awarded abroad are recognised under the provisions of APO. [5]For this purpose, a 'learning agreement' is concluded before the start of the planned period abroad. [6]This should only include courses and degrees offered at the university abroad, which

a) correspond essentially to the qualification standard of a master degree programme,

b) correspond to the qualification objectives of the master degree programme in "Chemistry" and

c) are not included in a module examination that has already been completed successfully, or will be completed before the start of the period abroad.

[7]The examination board takes decisions about the learning agreement. [8]It is strongly recommended that a subject-specific advisory service be provided before taking up study abroad and preparing for the learning contract.

§ 10 a Subject-specific examination types

Besides the examination components allowed according to the provisions of APO, the following subject-specific examination components can be planned:

Results log:

[1]In a results log, the candidate should document in writing independent contributions to the planning, execution and evaluation of practical laboratory experiments and present the results in a technically appropriate form in writing. If necessary, he or she may refer to the experiment protocols that have already been tested as part of the pre-examination results. [2]The results log will be assessed by the examiner heading the laboratory classes.

§ 11 Admission to the master thesis

(1) As a prerequisite for admission to the master thesis, all modules of the degree programme with a total rating of 60 C must be completed successfully.

(2) [1]The written application for admission to the master thesis must be submitted to the responsible examination board. [2]The following material must be enclosed with the application:

a) proof of fulfilment as concerns the requirements specified under section 1,
b) proposal of the topic for the master thesis,
c) a proposal for the first academic advisor or the second academic advisor,
d) written confirmation of the first academic advisor and the second academic advisor,
e) a declaration specifying that the master examination in the master degree programme in "Chemistry" has not been failed definitively or registered as definitively failed in the same or similar master degree programme at a domestic or foreign university.

[3]The proposals under letters b) and c) as well as the proof as specified under letter d) are unnecessary if the student provides assurance that he or she has been unable to find an academic advisor.

(3) [1]The examination board decides on the admission. [2]This should be rejected if the qualifications for entry are not fulfilled or the master examination in the master degree programme in "Chemistry" or a same or similar master degree programme at a domestic or foreign university has been definitively failed or regarded as definitive failing.

§ 12 Master thesis

(1) [1]In the written master thesis, the candidate should prove that she or he can process and present a challenging chemical problem independently in accordance with scientific methods within the allotted time. [2]The master thesis can be completed in one of the areas of "inorganic chemistry", "organic chemistry" and "physical chemistry" or in the selected elective ("biomolecular chemistry", "catalysis chemistry", "macromolecular chemistry", "theoretical chemistry").

(2) [1]In general, the master thesis should be written in the fourth subject semester of the master degree programme. [2]The provisional working topic of the master thesis must be agreed with the supervisor to be proposed and presented to the responsible examination board with confirmation from the second supervisor to be proposed. [3]Should a candidate be unable to find a supervisor, the responsible examination board will appoint an academic advisor and a topic. [4]The candidate's view should be considered in choosing the topic. [5]The right to make a proposal for the choice of topic does not constitute a legal right. [6]The examination office issues the topic of the master thesis under the auspices of the chairperson of the examination board. [7]The time of issue must be recorded.

(3) [1]The processing time for the master thesis is six months. [2]Upon application of the candidate, the examination board concerned can extend the deadline for submitting the thesis by a maximum of 3 months, subject to agreement with the supervisor and the existence of an important reason that cannot be attributed to the candidate. [3]An important reason normally exists in the case of an illness that is to be notified immediately and established by producing a medical certificate.

(4) [1]The topic can be returned only once and only within the first 4 weeks of the time allotted for completing the thesis. [2]A new topic must be agreed immediately, but no later than within 4 weeks. [3]In the event that the master thesis is repeated, the topic may be returned only in accordance with sentence 1 if the examinee has not resorted to this option in the first submission of the master thesis.

(5) [1]Two copies of the master thesis must be submitted to the examination office concerned within the time allotted. [2]It should also be submitted in an electronic form according to more specific regulation of the examination board. [3]The time of submission should be recorded. [4]Upon submission, the candidate should declare in writing that he or she has independently compiled the work and has not used any sources and tools other than those specified.

(6) [1]The office of examinations will pass the master thesis to the first supervisor and to the second supervisor who will act as independent reviewers. [2]Each reviewer will give a mark.

(7) The duration of the application procedure should not exceed six weeks.

§ 13 Grade point average of the master examination

(1) The master examination is passed, if at least 120 credits were acquired and all of the required module examinations as well as the master thesis have been passed.

(2) [1]Module examinations for modules in the area of key competencies, except those modules where key competencies are acquired only partly and integratively, will not be included in the calculation of the grade point average of the master examination by converting passed and graded module examinations into ungraded module examinations. [2]Conversion in the examination management system takes place at the latest before the transcript of records (master) is issued or before changing the university.

(3) The grade point average "with distinction" is awarded if the master thesis is graded 1.0 and the current average grade of the master examination is at least 1.4.

§ 14 Entry into force; interim regulations

(1) This regulation enters into force retroactively following publication in the official announcements of the University of Göttingen as per 01.10.2011.

(2) [1]Students who commenced their academic programme before these examination and study regulations came into force and who have remained enrolled in the consecutive master degree programme in "Chemistry" without interruption will be examined, upon application, in accordance with the examination regulations for the bachelor and master degree programme in Chemistry of Georg-August-Universität Göttingen in the version of the announcement dated 29.09.2006 (official announcements no. 24/2006 p. 2110, last amended by resolution of the presidential board dated 17.06.2009 (official announcements 17/2009 p. 1652), and the supplementary study regulations issued for the bachelor and master degree programme in Chemistry in the version of the announcement dated 29.09.2006 (official announcements no. 24/2006 p. 2142), last amended by resolution of the presidential board dated 17.06.2009 (official announcements 17/2009 p. 1674). The application should be made within one year after the present resolutions enter into force. [2]In the event that upon application according to sentence 1, the examination and study regulations shall apply in the version in place before these regulations came into force, this will not apply to module overviews and the Module Handbook for examinations that remain to be taken, unless preventing a breach of trust with a student would necessitate a different decision by the examination board. [3]This different decision is possible especially in the cases in which a module examination can be retaken or a compulsory module or an optional required module was changed substantially or removed. [4]The examination board may introduce general regulations for these cases.

(3) [1]Students who commenced their academic programme before an amendment to these examination and study regulations came into force and who have remained enrolled therein without interruption will be examined on the basis of the examination and study regulations in place before the amendments came into force. [2]In the case of pending examinations, this does not apply to module overviews and descriptions, unless the legal entitlements of a student calls for a different decision by the examination board. [3]A different decision can be reached especially in cases where

an examination can be repeated or a compulsory or optional required module has changed significantly or been cancelled. [4]The examination board may introduce general regulations for these cases. [5]Examinations as per a valid version prior to an amendment of the existing examination and study regulations coming into force are conducted for the last time in the fourth semester after the amendment has come into force. [6]On application, students affected by clause 1 shall be examined in general on the basis of the amended regulations.

Appendix I: Module overview

120 C must be acquired in accordance with the provisions contained hereinafter.

1. Specialist course

Optional required modules with a total rating of 78 C must be successfully completed in accordance with the following provisions.

a. Methods

Either the two modules M.Che.1130 and M.Che.1131 or the two modules M.Che.1132 and M.Che.1133 with a total rating of 6 C must be completed successfully:

M.Che.1130	Modern Methods in Chemistry - diffraction methods	3 C / 2 WLH
M.Che.1131	Modern Methods in Chemistry – internship Diffraction methods	3 C / 3 WLH
M.Che.1131	Modern Methods in Chemistry – Spectroscopy and magnetism	3 C / 2 WLH
M.Che.1133	Modern Methods in Chemistry – Internship, spectroscopy and magnetism	3 C / 3 WLH

b. Special inorganic chemistry

Two of the following six optional required modules with a total rating of 6 C should be completed successfully:

M.Che.1111	Bioinorganic chemistry	3 C / 3 WLH
M.Che.1113	Supramolecular coordination chemistry	3 C / 3 WLH
M.Che.1114	Metalorganic main group chemistry	3 C / 3 WLH
M.Che.1115	Mechanistic organometallic chemistry	3 C / 3 WLH
M.Che.1116	Current research focusses in inorganic chemistry 1	3 C / 3 WLH
M.Che.1117	Current research focusses in inorganic chemistry 2	3 C / 3 WLH

c. Special organic chemistry

Two of the following six optional required modules with a total rating of 6 C should be completed successfully:

M.Che.1211	Chemistry of natural products	3 C / 3 WLH
M.Che.1212	Synthesis methods in organic chemistry	3 C / 3 WLH
M.Che.1213	Heterocyclic chemistry	3 C / 3 WLH
M.Che.1216	Current topics in organic chemistry	3 C / 3 WLH
M.Che.1217	Modern mass spectrometry and gas phase chemistry	3 C / 3 WLH
M.Che.1218	Lecture series "Modern organic and biomolecular chemistry"	3 C / 3 WLH

d. Special physical chemistry

One of the following six optional required modules with a rating of 6 C must be successfully completed.

M.Che.1311	Vibrational spectroscopy and intermolecular dynamics	6 C / 4 WLH
M.Che.1312	Physical chemistry of condensed matter	6 C / 4 WLH
M.Che.1313	Electronic spectroscopy and reaction dynamics	6 C / 4 WLH
M.Che.1314	Biophysical chemistry	6 C / 4 WLH
M.Che.1315	Chemical Dynamics at Surfaces	6 C / 4 WLH
M.Che.1316	Current topics in physical chemistry	6 C / 4 WLH

e. Applied chemistry

One of the following five optional required modules with a rating of 6 C must be successfully completed.

M.Che.2402	Quantum chemistry	6 C / 5 WLH
M.Che.2502	Biomolecular chemistry	6 C / 5 WLH
M.Che.2602	Modern developments in catalysis chemistry	6 C / 5 WLH
M.Che.2702	Special macromolecul chemistry	6 C / 5 WLH
M.Che.2404	Dynamics and simulation	6 C / 5 WLH

f. Thematic specialisation

Modules with a total rating of at least 48 C from the following modules offered, including the modules listed in letters a to e, that were not considered there, must be completed successfully:

M.Che.2503	Internship "Biomolecular chemistry"	6 C / 6 WLH
M.Che.2603	Internship "Catalysis chemistry"	6 C / 8 WLH
M.Che.2703	Internship "Macromolecular chemistry"	6 C / 8 WLH
M.Che.1214	NMR for structural chemistry and structural biology I	3 C / 3 WLH
M.Che.1215	NMR for structural chemistry and structural biology II	3 C / 3 WLH
M.Che.1121	AC research internship 1	6 C / 9 WLH
M.Che.1122	AC research internship 2	6 C / 9 WLH
M.Che.1134	Current topics in inorganic chemistry	3 C / 2 WLH
M.Che.1205	Internship "Methods of modern organic and biomolecular chemistry (MeMo)"	9 C / 12 WLH
M.Che.1221	OC research internship 1	6 C / 9 WLH
M.Che.1222	OC research internship 2	6 C / 9 WLH
M.Che.1304	PC experimentation - spectroscopy	6 C / 7 WLH
M.Che.1305	PC experimentation – kinetics	6 C / 7 WLH

M.Che.1306	PC experimentation - vacuum technology	6 C / 7 WLH
M.Che.1307	PC experimentation – solids	6 C / 7 WLH
M.Che.1321	Physical-chemical research internship	6 C / 10 WLH
M.Che.1322	IPC research internship	6 C / 10 WLH
M.Che.1331	Kinetics and dynamics	3 C / 3 WLH
M.Che.3907	Introduction to synchrotron and neutron scattering	3 C / 3 WLH

Modules from other math.-nat. faculties (with the exception of psychology modules) can be attended upon application to the dean of the Faculty of Chemistry. The application can be rejected without stating any reasons. A legal right of the applicant to appeal the decision does not exist.

2. Area of professionalisation

Modules with a rating of 12 C should be successfully completed in accordance with the following provisions.

a. Optional required modules

Modules with a total rating of at least 6 C must be completed successfully from the following modules offered. Modules from other math.-nat. faculties (with the exception of psychology modules) can be attended upon application to the dean of the Faculty of Chemistry. The application can be rejected without stating any reasons. A legal right of the applicant to appeal the decision does not exist.

aa. The following modules according to no. 1 letter f (Thematic specialisation), provided they have not been introduced there yet:

M.Che.2503	Internship "Biomolecular chemistry"	6 C / 6 WLH
M.Che.2603	Internship "Catalysis chemistry"	6 C / 8 WLH
M.Che.2703	Internship "Macromolecular chemistry"	6 C / 8 WLH
M.Che.1214	NMR for structural chemistry and structural biology I	3 C / 3 WLH
M.Che.1215	NMR for structural chemistry and structural biology II	3 C / 3 WLH
M.Che.1121	AC research internship 1	6 C / 9 WLH
M.Che.1122	AC research internship 2	6 C / 9 WLH
M.Che.1134	Current topics in inorganic chemistry	3 C / 2 WLH
M.Che.1205	Internship "Methods of modern organic and biomolecular chemistry (MeMo)"	9 C / 12 WLH
M.Che.1221	OC research internship 1	6 C / 9 WLH
M.Che.1222	OC research internship 2	6 C / 9 WLH
M.Che.1304	PC experimentation - spectroscopy	6 C / 7 WLH
M.Che.1305	PC experimentation – kinetics	6 C / 7 WLH
M.Che.1306	PC experimentation - vacuum technology	6 C / 7 WLH
M.Che.1307	PC experimentation – solids	6 C / 7 WLH

M.Che.1321	Physical-chemical research internship	6 C / 10 WLH
M.Che.1322	IPC research internship	6 C / 10 WLH
M.Che.1331	Kinetics and dynamics	3 C / 3 WLH
M.Che.3907	Introduction to synchrotron and neutron scattering	3 C / 3 WLH

bb. Modules from the following modules offered:

M.Che.3902	Industry internship	6 C
M.Che.3910	Work in student self-governance of the Faculty of Chemistry	4 C
M.Che.3911	Work in academic self-governance of the Faculty of Chemistry	4 C
M.Che.3998	Organisation and execution of scientific events	3 C / 4 WLH

cc. Modules from the bachelor degree programme "Chemistry", provided they have not been introduced there yet:

B.Che.3903	Environmental chemistry	3 C / 2 WLH
B.Che.3904	Basics of radiochemistry	6 C / 8 WLH
B.Che.3914	Computer-assisted data analysis	6 C / 6 WLH
B.Che.3901	Computer applications in chemistry	4 C / 6 WLH

b. Key competencies

Modules with a total rating of no more than 6 C from the university-wide module directory of key competencies and the courses and degrees offered by the Central Institution for Languages and Key Competencies (ZESS) in the currently valid version can be completed.

3. Master thesis

30 C are awarded for successful completion of the master thesis.

Appendix II: Exemplary curricula

A. Start of programme in the winter semester

Sem. **Σ C**	**Degree programme "Chemistry" (78 C)**						**Area of professionalisation (key competencies) (12 C)**
	Module	Module	Module	Module	Module	Module	Module
1. **Σ 30 C**	M.Che.1132 Modern methods of inorganic chemistry – lecture and exercise, spectroscopy and magnetism 3 C (compulsory option)	M.Che.1133 Modern methods of inorganic chemistry – internship, spectroscopy and magnetism 3 C (compulsory option)	M.Che.1212 Synthesis methods 3 C (compulsory option)	M.Che.1305 PC experimentation Kinetics 6 C (compulsory option)	M.Che.1315 Chemical Dynamics at Surfaces 6 C (compulsory option)	M.Che.1111 Bioinorganc chemistry 3 C (compulsory option)	M.Che.3902 Industry internship 6 C (compulsory option)
2. **Σ 30 C**	M.Che.2502 Biomolecular chemistry 6 C (compulsory option)	M.Che.1113 Supramolecular Coordination Chemistry 3 C (compulsory option)	M.Che.1205 Internship "Modern methods of organic biom 9 C (compulsory option)	M.Che.1215 NMR for structural chemistry and structural biology II 3 C (compulsory option)	M.Che.1218 Lecture series "Modern organic and biomolecular chemistry" 3 C (compulsory option)		SK.FS.E-FN-C1-1.Mp Scientific English for natural scientists 6 C (compulsory option)
3. **Σ 30 C**	M Che.1213 Heterocyclic chemistry 3 C (compulsory option)	M.Phy.502 Research focus: biophysics and physics of complex systems 6 C (compulsory option)	M.Che.1321 PC research internship 1 6 C (compulsory option)	M.Che.1221 OC research internship 1 6 C (compulsory option)	M.Che.1214 NMR for structural chemistry and structural biology I 3 C (compulsory option)	M.Che.1121 AC research internship 1 6 C (compulsory option)	
4. **Σ 30 C**	Master thesis 30 C						
Σ 120 C	**78 C (+ 30 C)**						**12 C**

B. Start of programme in the summer semester

Sem. **Σ C**	**Degree programme "Chemistry" (78 C)**						**Area of professionalisation (key competencies) (12 C)**
	Module	Module	Module	Module	Module	Module	Module
1. **Σ 30 C**	M.Che.2502 Biomolecular chemistry 6 C (compulsory option)	M.Che.1113 Supramolecular Coordination Chemistry 3 C (compulsory option)	M.Che.1205 Internship "Modern methods of organic biom 9 C (compulsory option)	M.Che.1315 Chemical Dynamics on Surfaces 6 C (compulsory option)			SK.FS.E-FN-C1-1.Mp Scientific English for natural scientists 6 C (compulsory option)
2. **Σ 30 C**	M Che.1213 Heterocyclic chemistry 3 C (compulsory option)	M.Phy.502 Research focus: biophysics and physics of complex systems 6 C (compulsory option)	M.Che.1321 PC research internship 1 6 C (compulsory option)	M.Che.1132 Modern methods of inorganic chemistry – lecture and exercise, spectroscopy and magnetism 3 C (compulsory option)	M.Che.1121 AC research internship 1 6 C (compulsory option)	M.Che.1122 AC research internship 2 6 C (compulsory option)	
3. **Σ 30 C**	M.Che.1114 Metalorganic main group chemistry 3 C (compulsory option)	M.Che.1221 OC research internship 1 6 C (compulsory option)	M.Che.1133 Modern methods of inorganic chemistry – internship, spectroscopy and magnetism 3 C (compulsory option)	M.Che.1218 Lecture series "Modern organic and biomolecular chemistry" 3 C (compulsory option)	M.Che.1222 OC research internship 2 6 C (compulsory option)	M. Che.1215 NMR for structural chemistry and structural biology II 3 C (compulsory option)	M.Che.3902 Industry internship 6 C (compulsory option)
4. **Σ 30 C**	Master thesis 30 C						
Σ 120 C	**78 C (+ 30 C)**						**12 C**