# Subject-specific provisions for the subject of chemistry leading to a Master of Science degree (acquisition of 120 ECTS credits)

at Julius Maximilian University of Würzburg

dated 15 December 2015

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In the version of the amendment statute dated 7 March 2018 (source: http://www.uni-wuerzburg.de/amtl_veroeffentlichungen/2018-12)

In the version of the amendment statute dated 17 March 2021 (source: http://www.uni-wuerzburg.de/amtl_veroeffentlichungen/2021-23)

In the version of the amendment statute dated 28 January 2026 (reference: http://www.uni-wuerzburg.de/amtl_veroeffentlichungen/2026-11)



On the basis of Art. 13 (1) sentence 2 in conjunction with Art. 58 (1) and Art. 61 (2) sentence 1 of the Bavarian Higher Education Act (BayHSchG) of 23 May 2006 (GVBl. p. 245, BayRS 2210-1-1-WFK) in the currently applicable version, Julius Maximilian University of Würzburg issues the following statutes.

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# 1. Part: General regulations

## § 1 Scope

These subject-specific provisions (FSB) supplement the General Study and Examination Regulations for Bachelor's and Master's degree programmes (ASPO) at Julius Maximilian University of Würzburg (JMU) dated 1 July 2015, as amended.

## § 2 Aim of the programme

(1) [1] The subject of chemistry is offered by the Faculty of Chemistry and Pharmacy at JMU as a research-oriented degree programme leading to a Master of Science (M.Sc.) degree as part of a consecutive Bachelor's and Master's degree model.

[2]The aim of the programme is to provide students with in-depth knowledge of individual sub-areas of chemistry and of scientific work in research and application, and to enable them to conduct independent research in this field after successfully completing their studies. [3] Through training in analytical thinking, students acquire the ability to familiarise themselves with a wide range of tasks and to apply the knowledge they have acquired independently and transfer it to new tasks.

(2) [1]The Master's programme can be studied entirely in English. [2]In order to offer students additional options, modules have been included that are offered exclusively in German.

## Section 3 Commencement of studies, structure of the programme, standard period of study

(1) [1]In accordance with the provisions of Section 7 ASPO, studies in the subject of chemistry may be commenced in either the summer semester or the winter semester of an academic year. [2]If the programme is completed as part of an international exchange programme in accordance with Appendix DA, the provisions of Section 3 (1) of Appendix DA shall apply.

(2) [1] The programme is structured into compulsory elective area 1 (75 ECTS credits), compulsory elective area 2 (15 ECTS credits) and final stage (30 ECTS credits).

[2] In compulsory elective area 1, three specialisations, each worth 25 ECTS credits, must be successfully completed (hereinafter referred to as specialisations 1 to 3). [3] The possible specialisations and the associated modules are listed in the subject description appendix (SFB); the areas of specialisation may in turn be divided into compulsory and compulsory elective areas in accordance with the SFB. [4] In the areas of specialisation, modules worth at least 15 ECTS credits each must also be successfully completed with graded examinations.

[5] Elective area 2 comprises the sub-areas "Additional skills from the specialisations" and "Additional qualifications", each worth 5 to 10 ECTS credits. [6] In the sub-area "Additional skills from the specialisations", any modules from the specialisations that are not already included in elective area 1 may be included.

[7] The programme is thus structured as follows:

| *Structure level* | *ECTS credits* | |
|---|---|---|
| Elective area 1 | 75 | |
| Sub-area Focus 1 | | 2 |
| Sub-area Focus 2 | | 25 |

| | | |
|---|---|---|
| Sub-area Focus 3 | | 25 |
| Elective area 2 | 15 | |
| Sub-area Additional skills from the focus areas | | 5 |
| Sub-area Additional qualifications | | 5 |
| Final section | 30 | |
| *Total* | 120 | |

[8]When choosing specialisations, the following combinations of specialisations are possible in the Master's programme in Chemistry:

| | *Specialisation 1* | *Focus area 2* | *Focus area 3* |
|---|---|---|---|
| 1 | Inorganic Chemistry | Organic chemistry | Physical chemistry |
| 2 | Inorganic chemistry | Organic chemistry | Biochemistry |
| 3 | Inorganic chemistry | Organic chemistry | Functional materials |
| 4 | Inorganic chemistry | Organic chemistry | Homogeneous catalysis |
| 5 | Inorganic chemistry | Organic chemistry | Medical chemistry |
| 6 | Inorganic chemistry | Organic chemistry | Supramolecular chemistry |
| 7 | Inorganic chemistry | Organic chemistry | Theoretical chemistry |
| 8 | Inorganic chemistry | Physical chemistry | Biochemistry |
| 9 | Inorganic chemistry | Physical chemistry | Functional Materials |
| 10 | Inorganic chemistry | Physical chemistry | Homogeneous catalysis |
| 11 | Inorganic chemistry | Physical chemistry | Medical Chemistry |
| 12 | Inorganic chemistry | Physical chemistry | Supramolecular chemistry |
| 13 | Inorganic chemistry | Physical chemistry | Theoretical Chemistry |
| 14 | Organic chemistry | Physical chemistry | Biochemistry |
| 15 | Organic chemistry | Physical chemistry | Functional Materials |
| 16 | Organic chemistry | Physical chemistry | Homogeneous catalysis |
| 17 | Organic chemistry | Physical chemistry | Medical Chemistry |
| 18 | Organic chemistry | Physical chemistry | Supramolecular Chemistry |
| 19 | Organic chemistry | Physical chemistry | Theoretical Chemistry |

[9]If the programme is completed as part of an international exchange programme in accordance with Appendix DA, the areas specified in Section 3(2) of Appendix DA shall apply.

(3) The standard period of study for chemistry is four semesters, during which a total of 120 ECTS credits must be earned.

## Section 4 Admission to the programme, recommended basic knowledge

(1) [1] Admission to the Master's programme in Chemistry requires

a) a degree in a Bachelor's programme (acquisition of 180 ECTS credits) at JMU or another German or foreign university or an equivalent German or foreign degree (e.g. state examination),

b) proof of competence from modules worth at least 25 ECTS credits each in the three areas (i) inorganic chemistry, (ii) organic chemistry and (iii) physical and theoretical chemistry. At least 25 ECTS credits

The competencies listed under (i) – (iii) must originate from laboratory practicals or – in the case of degree programmes that are not modularised in accordance with ECTS – competencies of a corresponding scope, usually acquired as part of the degree programme specified in letter

a) (in accordance with the ECTS credit system used at JMU for the Bachelor's degree programme in Chemistry)

The required skills are taught, for example, in the subjects of chemistry and – with the appropriate choice of modules in the compulsory elective area – biochemistry with a Bachelor of Science degree (acquisition of 180 ECTS credits) at JMU.

c) Proof of English language skills at level B2 of the Common European Framework of Reference for Languages (CEFR) in an appropriate manner, for example through:

(aa) the Test of English as a Foreign Language (TOEFL) with a minimum score of 72 points (internet-based TOEFL test) or

(bb) the International English Language Test System (IELTS) with a score of 6.0 or better, or

(cc) a Cambridge First Certificate in English (FCE) or

(dd) a minimum satisfactory grade in English (corresponding to at least 7 out of 15 points) in a domestic university entrance qualification (HZB)

or

a foreign HZB with proven knowledge of the English language that is at least equivalent to the aforementioned HZB, or

(ee) proof that training has already been completed (in particular as part of the first degree mentioned under a) with English language skills at the level specified in (aa) to (dd)

d) and the determination of suitability for the Master's programme in Chemistry in an aptitude test (see Appendix EV).

[2] For students of chemistry who wish to participate in the international exchange programme in accordance with Appendix DA, the special admission requirements in accordance with § 4 Appendix DA apply. [3] In this case, sufficient knowledge of the respective national language is also required (see § 4 (1) No. 5, (2) No. 4 of Appendix DA).

[4]The Aptitude Committee (see Appendix EV) decides on the fulfilment of the requirements under sentence 1 letter a) and on the existence of the required minimum competences (sentence 1 letter b)) and language skills (sentence 1 letter c)). [5]When deciding on the equivalence of the initial degrees with the specified reference degree and for the verification of the required minimum competencies and their scope (in particular for non-modularised subjects), the principle of reversal of the burden of proof and the obligation to determine equivalence shall apply in accordance with Art. 86 of the Bavarian Higher Education Innovation Act (BayHIG) of 5 August 2022 (GVBl. p. 414, BayRS 2210-1-3-WK), the principle of reversal of the burden of proof and the obligation to determine equivalence apply, provided that there are no significant differences in terms of the competences acquired (learning outcomes).

(2) [1] If the requirements specified in paragraph 1, sentence 1, letters a) and/or b) and/or c) are not met, admission to the Master's programme in Chemistry is not granted, unless admission to the Master's programme is possible in accordance with paragraph 4. [2]In this case, the applicant shall receive a notification stating the reasons and providing information on legal remedies.

(3) [1]If the requirements set out in paragraph 1, sentence 1, letters a), b) and c) are met, the applicant will be admitted to an aptitude test (see Appendix EV). [2] Successful completion of the aptitude test entitles the applicant to enrol in the Master's programme in Chemistry at JMU, provided that the requirements of this Master's programme have not changed significantly

. [3] If the aptitude test is not passed, the applicant will receive a notification stating the reasons and providing information on legal remedies. [4] The applicant may then repeat the failed aptitude test in chemistry once.

(4) [1] In order to enable a seamless transition from undergraduate studies, in particular Bachelor's studies, to Master's studies, an applicant who, at the time of application, cannot yet provide evidence of the degree required under paragraph 1, sentence 1, letter a) may be granted conditional admission to the Master's programme for the immediately following semester under the following conditions (must be met cumulatively):

a) Proof of at least 140 ECTS credits or – in the case of degree programmes that are not modularised in accordance with the ECTS – equivalent achievements at the time of application in the first degree programme required under paragraph 1, sentence 1, letter a).

b) proof of competences acquired at the time of application from modules in the areas specified in paragraph 1, sentence 1, letter b) to the minimum extent specified in each case, )

c) proof of the language skills specified in paragraph 1, sentence 1, letter c), and

d) confirmation of suitability for the Master's programme in Chemistry in an aptitude test (see Appendix EV).

[2] In the event of the occurrence of the condition subsequent that the first degree referred to in paragraph 1, sentence 1, letter a) is not proven by the end of the re-registration period for the second semester in the Master's programme in Chemistry at the latest, the applicant shall be de-registered at the end of the first semester. [3]If this condition precedent does not occur, final admission to the subject of Chemistry shall be granted.

### § 5 Control examinations

No control examinations shall be conducted in accordance with § 13 (5) ASPO.

### § 6 Examination board

Notwithstanding § 14 (1) sentence 3 ASPO, the examination board for the subject of Chemistry shall consist of 7 members.

## 2. Part: Performance reviews

### Section 7 Other subject-specific examinations

(1) [1]Preliminary tests: Preliminary tests shall be conducted shortly before the actual practical sections of the respective course. [2]The candidate shall first be provided with instructions and information on the upcoming practical work. [3]This may also be done by referring to relevant teaching materials. [4]The instructions and information may also be provided to the candidate solely by electronic means. [5] After a reasonable preparation period, a short examination interview shall be conducted. [6] The purpose of this examination interview is to determine whether the candidate has understood the instructions and information and is able to begin the respective practical section of the course.

(2) [1] Post-test assignments: Examination performances in the form of post-test assignments must be completed following the respective practical section of the course. [2] A post-test assignment comprises a

written report on the practical work carried out and a short examination interview. [3] The report is intended to demonstrate that the candidate is able to summarise the practical work carried out in an appropriate manner. [4] In the examination interview, the candidate should demonstrate that they are able to explain the observations from the practical work recorded in the report. [5] The type of examination tasks to be completed in detail and their scope can be found in the appendix to the course description. [6] The number of partial tasks to be completed in each case depends on the number of experiments to be carried out and will be announced by the respective module coordinator no later than one week after the start of the internship.

(3) [1]Assessment of practical work: Practical work is assessed by reviewing the candidate's practical work on a random basis. [2]The aim is to determine whether the candidate has completed the assigned tasks with due care, taking into account safety aspects and using scientific methods within the framework of the course.

(4) Reports: Reports are written examination assignments that are intended to show that the candidate can reproduce the content of a course or the activities in an internship in a structured and appropriate manner.

(5) Report: [1]Reports are written examinations to be completed at home, which are intended to demonstrate that the candidate can reproduce the content of a course or the activities carried out during a course (in particular internships, excursions, empirical research projects) in a structured and appropriate manner. [2]Depending on the context, the report may also be listed in the SFB as a composite term, in particular as a research report, internship report or excursion report.

## § 8 Final phase: Master's thesis and final colloquium

(1) [1] 30 ECTS credits are awarded for the Master's thesis. [2] The processing time is six months. [3] The topic of the Master's thesis can only be assigned to a candidate once they have successfully completed at least 80 ECTS credits as part of the Master's programme in Chemistry.

(2) [1] The supervisor may also make the assignment of the Master's thesis topic contingent upon proof of successful participation in certain modules relevant to the respective topic. [2]The candidate must provide the supervisor with proof of successful participation in these modules at the latest when signing the confirmation in accordance with § 26 (6) sentence 3 ASPO. [3]Without this proof, the topic cannot be assigned to the candidate.

(3) For students who are writing their Master's thesis as part of the exchange programme in accordance with Appendix DA, the provisions of § 6 of Appendix DA shall also apply.

(4) There will be no final colloquium.

## Section 9 Overall grade, subject grade and area grade

[1] The overall grade is determined in accordance with the provisions of § 35 (1) ASPO. [2] The subject grade for chemistry is calculated in accordance with § 35 (2) ASPO, and the area grades are calculated in accordance with § 35 (3) to (5) ASPO. [3] The subject grade is calculated exclusively from the grade for elective area 1 and the grade for the final area in accordance with the following criteria:

[4] The "hierarchy model" described in Section 35 (5) sentences 3 to 6 ASPO shall apply to the calculation of the grade for compulsory elective area 1. [5] The grade for the compulsory elective area is determined exclusively from the grades for the sub-areas 1 to 3 combined in accordance with Section 3 (2) sentence 8. [6] Insofar as the areas of specialisation are in turn divided into compulsory and compulsory elective areas, the "basket model" described in Section 35 (5) sentences 7 to 9 ASPO applies to the calculation of the grade for the respective area of specialisation

the "basket model" described in § 35 (5) sentences 7 to 9 ASPO shall apply, i.e. no grade shall be calculated for any compulsory or compulsory elective areas within a focus area.

[7] No grades are calculated for compulsory elective area 2 and the associated sub-areas "Additional skills from the specialisations" and "Additional qualifications"; any numerically graded modules completed in these sub-areas are not taken into account when determining the subject grade.

[8] When determining the subject grade and the overall grade, the individual areas are weighted as follows:

| *Structure level* | *ECTS points* | | *Weighting factor for* | | |
|---|---|---|---|---|---|
| | | | *Area grade* | *Subject grade* | *Overall grade* |
| Elective subject area 1 | 75 | | | 75/105 | 120 |
| Sub-area Focus 1 | | 25 | 25/75 | | |
| Sub-area Focus 2 | | 25 | 25/75 | | |
| Sub-area Focus 3 | | 25 | 25/75 | | |
| Elective area 2 | 15 | | | | |
| Sub-area Additional freely selectable module from the focus areas | | 5-10 | | | |
| Sub-area Additional qualifications | | 5-10 | | | |
| Final section | 30 | | | 30/105 | |
| *Total* | 120 | | | | |

(2) If the degree programme is completed as part of an international exchange programme in accordance with Appendix DA, the overall grade is calculated in accordance with § 7 of Appendix DA.

(3) Where applicable, participation in the international exchange programme in accordance with Appendix DA shall be indicated in the Diploma Supplement.

## 3. Part: Final provisions

### Section 10 Entry into force

[1]These statutes shall enter into force on the day after their publication. [2]They shall apply to all students of chemistry with a Master of Science degree (acquisition of 120 ECTS credits) who commence their studies at JMU in accordance with the provisions of the General Study and Examination Regulations for Bachelor's and Master's Degree Programmes (ASPO) at JMU dated 1 July 2015, as amended, from the summer semester 2016 onwards.

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***The statutes shall enter into force in the version of the amendment statutes with effect from 1 May 2026. Their contents shall apply for the first time to students who commence their studies in the subject of chemistry with a Master of Science degree (acquisition of 120 ECTS credits) from the winter semester 2026/2027 onwards.***

**Appendix EV**

[1] Admission to the Master's programme is subject to passing an aptitude test. [2] This is carried out as follows.

## § 1 Purpose of the assessment

[1] The aptitude test assesses

1. the course of study, in particular the achievements on which the first degree is based, as well as
2. the technical and methodological knowledge in the areas of chemistry specified in Section 4 (1) sentence 1 letter b)
FSB

assesses who is qualified for the Master's programme. [2] The aim is to determine whether the applicant meets the increased requirements of the Master's programme in Chemistry and has the necessary prerequisites to acquire in-depth knowledge in the field of chemistry and to gain the ability to work independently in a scientific context. [3] Qualification for the Master's programme in Chemistry requires proof of aptitude in accordance with the following regulations.

## § 2 Procedure for determining suitability

(1) The procedure for determining suitability is carried out each semester by the Faculty of Chemistry and Pharmacy at JMU.

(2) [1]Applications for admission to the Master's programme in Chemistry for the following semester must be submitted in the form specified by the Aptitude Committee (cf. § 3) for the Master's programme in Chemistry by 15 July (for the winter semester) or by 15 January (for the summer semester) to the chair of this committee in the correct form and by the deadline (cut-off date); In particular, an electronic application procedure via the relevant JMU websites may be provided for. [2]Documents pursuant to paragraph 3 no. 1 letter a) may be submitted at a later date, for reasons beyond the applicant's control, by 15 September (for the winter semester) or 15 March (for the summer semester) at the latest in order to obtain final admission to the Master's programme in Chemistry. [3] If this deadline cannot be met (e.g. because the final certificate for the Bachelor's programme has not yet been issued), the only option is to apply for conditional admission in accordance with the provisions of § 4 (4) FSB.

(3) The application must be accompanied by:

1. Achievements from the first degree programme referred to in § 4 (1) sentence a) FSB,
   a) Proof of a university degree or equivalent qualification (in the case of an application for final admission to a Master's programme) or
   b) Proof of the acquisition of 140 ECTS credits or – in the case of degree programmes not modularised in accordance with the ECTS – achievements of the corresponding scope (in the case of an application for conditional admission to a Master's programme).
2. as well as an overview of previous academic achievements and examinations (transcript of records) specifying the modules passed in the areas specified in § 4 (1) sentence 1 letter b) FSB and the corresponding examination achievements, including the ECTS credits and examination grades awarded for them or, in the case of degree programmes not modularised in accordance with the ECTS – achievements of the corresponding scope and, if applicable, credited examination achievements or, in the case of an application for

conditional admission to the Master's programme, a preliminary overview of the study and examination achievements with the information specified. The overview must show in particular that the applicant has the skills required for the Master's programme in Chemistry in accordance with § 4 (1) sentence 1 letter b) of the FSB (in the case of an application for final admission to the Master's programme) or in accordance with § 4 (4) sentence 1 letter b) of the FSB (in the case of an application for conditional admission to the Master's programme).

## § 3 Aptitude Committee

[1]The aptitude assessment procedure is carried out by an aptitude assessment committee consisting of seven members. [2]The chair of the examination board for the subject of chemistry is an ex officio member of the aptitude assessment committee and also chairs it. [3] The remaining members of the aptitude committee are appointed by the Faculty Council of the Faculty of Chemistry and Pharmacy for a term of three years; reappointment is permitted. [4]Only persons who are authorised to conduct university examinations (Art. 85 BayHIG in conjunction with the University Examination Regulations in their currently valid version) may be elected as members of the aptitude committee. [5]The members of the aptitude committee shall elect a deputy chairperson from among their number by a simple majority.

[6]The Aptitude Committee shall constitute a quorum if its members have been invited to attend with three days' notice and the majority of the members are present. [7]Elections and other decisions (in particular in the aptitude assessment procedure) shall be decided by a simple majority. [8]In the event of a tie, the chairperson shall have the casting vote. [9]The committee may call upon other persons with university examiner status to assist it in the performance of its duties.

## § 4 Admission to the aptitude test procedure, scope and content of the aptitude test procedure, determination and announcement of the result, minutes

(1) In addition to the requirements set out in § 4 FSB, participation in the aptitude test procedure requires that the documents specified in § 2 (3) are submitted in full and on time.

(2) [1]The suitability procedure shall be carried out in a single stage:

[2] The professional aptitude of the applicant is assessed on the basis of the documents submitted. [3] A person is professionally apt if

1. those who, in the case of an application for final admission to the programme, have achieved a final grade of 3.0 or better in the first degree to be proven in accordance with § 4 (1) sentence 1 letter a) FSB, or
2. in the case of an application for conditional admission to the programme, has achieved an average grade of 3.0 or better in the
   § 4 (4) sentence 1 letter a) FSB, whereby this can also be demonstrated by a provisional grade point average of 3.0 or better issued by the examination office of the respective university.

[4]Anyone who has not achieved the grade required in accordance with sentence 3 no. 1 or 2 will be rejected on the grounds of insufficient aptitude.

[5]Unless a grade point average as specified in sentence 3 no. 2 has already been submitted by the examination office of the respective university, the average grade shall be calculated as follows in accordance with sentence 3 no. 2: First, all successfully completed graded modules are sorted by grade level, starting with the best, and within the same grade level, starting with the highest ECTS credits; then, in the resulting

order until their total ECTS points reach 140 ECTS points; The average grade is then calculated from the ECTS credit-weighted average (weighted arithmetic mean) of the grades of the individual modules used, whereby the last module included in the calculation is weighted only with the ECTS credits required to reach 140 ECTS credits. [6] The grade is calculated to the first decimal place after the comma; all further decimal places are deleted without rounding. [7]If the applicant has passed modules worth at least 140 ECTS credits, but the proportion of modules with numerical grades achieved is less than 140 ECTS credits, only the modules with numerical grades will be taken into account.

[9] In the event that the grading system used for the first degree obtained at another university (or the grades achieved there), the grading system used there does not correspond to the grading system used at JMU, the provisions of § 18 (5) ASPO shall apply mutatis mutandis with regard to the conversion of the grading systems, with the exception that the examination board shall be replaced by the aptitude committee.

(3) [1] The result of the aptitude assessment shall be communicated to the applicant in writing and, in the event of aptitude, shall be presented by the applicant upon enrolment. [2] A negative decision shall be accompanied by a statement of reasons and information on legal remedies.

**Appendix DA: Special regulations for chemistry students participating in an exchange programme between the University of Würzburg (JMU) and a foreign partner university**

## § 1 Scope

(1) [1]The following regulations apply exclusively to degree programmes in cooperation with foreign universities with which JMU has concluded an agreement on a student exchange programme for an integrated degree programme in chemistry. [2]An agreement on the integration of both degree programmes must be concluded individually with each university and signed by the respective presidents of the participating universities. [3]A current list of participating partner universities will be announced by appropriate means (usually electronically by the Faculty of Chemistry and Pharmacy at JMU).

(2) [1]The subject-specific provisions (FSB) for the subject of chemistry with a Master of Science degree (acquisition of 120 ECTS credits) are modified by the following regulations in Appendix DA. [2]Unless otherwise specified in these regulations, the aforementioned FSB apply.

## § 2 Purpose of the exchange programme

The main objective of the exchange programme is to create a formal alliance between JMU and international partner universities, enabling students to obtain degrees from both institutions after studying at each institution for a specified period of time and following a specified study plan.

## § 3 Commencement of studies, structure of studies, standard period of study

(1) [1] Studies within the framework of the agreed international exchange programme begin at the foreign partner university for both JMU students and students from the foreign partner university. [2] Later, both groups of students transfer to JMU within the framework of the international exchange programme. [3] This transfer takes place exclusively at the beginning of the winter semester, but not before the end of the semester specified in the cooperation agreement at the foreign partner university.

(2) [1] In contrast to the regular Master's programme in Chemistry, the international double degree programme is structured as follows

| *Structure level* | *ECTS credits* | |
|---|---|---|
| Compulsory area | 35 | |
| Sub-area Additional qualifications Double degree | | 5 |
| Sub-area Competencies acquired at the foreign partner university | | 30 |
| Elective area | 55 | |
| Sub-area Focus 1 | | 25 |
| Sub-area Focus 2 | | 30 |
| Final section | 30 | |
| *Total* | 120 | |

[2]The areas, sub-areas (in particular the areas of specialisation available for selection) and modules to be completed as part of the international exchange programme are listed in

the separately marked variant of Appendix SFB; the individual focus areas are in turn divided into compulsory and compulsory elective areas in accordance with the SFB, where applicable.

[3] In the compulsory area, within the sub-area "Competencies acquired at the foreign partner university", those of the regular corresponding degree programme at the respective partner university are to be acquired as agreed between the parties involved and the corresponding examinations are to be successfully completed.

[4]At least one of the selected specialisations must be chosen from the following selection:
"Inorganic Chemistry", "Organic Chemistry" or "Physical Chemistry".

[5] In accordance with the SFB, modules worth at least 15 ECTS credits each must be successfully completed in the specialisations.

[6]The topic of the Master's thesis must be chosen in such a way that its content can be assigned to the chosen specialisation 1 (25 ECTS credits).

## § 4 Admission requirements

(1) For applicants from JMU, admission to this exchange programme requires that they

1. be enrolled at JMU in the subject of chemistry with the degree Master of Science (acquisition of 120 ECTS credits) at the same time,
2. have completed all the coursework required in the regular course of study in chemistry with a Bachelor of Science degree (acquisition of 180 ECTS credits) at the beginning of the winter semester in semesters 1 to 4 as specified by the faculty at JMU (taking into account the requirements of § 3 (2) and (3) of Appendix DA in the currently valid FSB for the subject of chemistry with the degree "Bachelor of Science" (acquisition of 180 ECTS credits) at JMU),
3. has completed all the coursework required in the regular course of study for students at the foreign partner university in the 3rd year of study (this can be done in particular by participating in the international exchange programme and studying according to variant DA as part of the Bachelor's programme in Chemistry at JMU),
4. has not already definitively failed the subject of chemistry with a Master of Science degree (acquisition of 120 ECTS credits) and
5. has sufficient knowledge of the foreign language of the partner university and can prove this in an appropriate form, whereby the partner university determines the level of language proficiency based on the relevant regulations; proof of sufficient knowledge of the respective foreign language can be provided – depending on the required level - for example, by successfully passing a language examination at a university in the partner country or at a cultural institute of the partner country in Germany, or by means of a certificate from a lecturer teaching this foreign language at a German university confirming sufficient knowledge of the foreign language, or by successfully passing the Abitur examination in the language of the partner university.

(2) For applicants from the foreign partner university, admission to this exchange programme requires that they

1. be enrolled at the same time at the foreign partner university in the relevant degree programme there,
2. has completed all the coursework agreed upon in the relevant cooperation agreement at the foreign partner university in accordance with the study and examination regulations in force there,

3. has not already definitively failed the subject of chemistry with a Master of Science degree (acquisition of 120 ECTS credits) and

4. can demonstrate sufficient knowledge of the English language in accordance with § 4 (1) sentence 1 letter c) FSB.

(3) [1] Before starting the exchange programme (usually at the end of the lecture period of the respective summer semester), the candidate shall independently compile an overview of the achievements to date by electronic means. [2] This overview must be signed by the respective chair of the examination board if all the requirements for participation in the exchange programme have been met. [3]It is a prerequisite for continuing studies at JMU, which commence immediately after the winter semester. [4] If the student is unable to provide proof of all achievements at the foreign partner university at the time of application for the exchange programme, he or she may submit them by the end of the re-registration period for the third semester of the Master's programme at JMU.

## § 5 Separate course of study

(1) [1] The study plan (SVP) for students participating in the international exchange programme is identical in the last three semesters to the ideal course of the regular Master's programme in Chemistry at JMU (without exchange programme), as announced by the Faculty of Chemistry and Pharmacy (taking into account the exceptions under § 3 (2) of Appendix DA, as shown in the SFB variant). [2] The first semester of the Master's programme, on the other hand, is completed at the foreign partner university.

(2) [1]At the beginning of the second semester of the Master's programme, students transfer to JMU. [2]There, they must take the regular modules and the associated courses of the regular Master's programme in Chemistry.

(3) The official assessment of each student's academic performance is communicated at the end of each semester by their home institution and recognised by the JMU without re-examination.

## § 6 Master's thesis

[1] Within the framework of the exchange programme, the Master's thesis may, in deviation from § 8 FSB and § 26 (3) ASPO, be assigned and supervised by any examiner at the foreign partner university who is authorised in accordance with the applicable university examination regulations, provided that this examiner is a member of the faculty offering the degree programme. [2] In this case, supervision by an examiner from JMU is not required. [3]The topic of the thesis must be agreed with the supervisor or, in the case of interdisciplinary topics, with both supervisors, and submitted to the JMU examination board with a confirmation signed by the supervisor.

[4] The topic must be chosen in such a way that its content can be assigned to the chosen specialisation 1 (25 ECTS credits).

## Section 7 Calculation of the overall grade

[1]The overall grade is calculated in accordance with the provisions of § 35 (1) ASPO. [2]The subject grade for chemistry is calculated in accordance with § 35 (2) ASPO, and the area grades are calculated in accordance with § 35 (3) to (5) ASPO.

[3] The subject grade and overall grade are determined exclusively from the grade for the compulsory elective area and the grade for the final area.

[4] No grades are calculated for the sub-areas of the compulsory area or for the compulsory area itself. [5] Any numerically graded modules completed in the sub-area of additional qualifications for a double degree are not taken into account.

[6] The "hierarchy model" described in § 35 (5) sentences 3 to 6 ASPO shall be applied when calculating the grade for the compulsory elective area. [7] The grade for the compulsory elective area shall be determined exclusively from the grades for the sub-areas of focus areas 1 and 2 combined in accordance with § 3 (2) sentence 6. [8] Insofar as the specialisations are in turn divided into compulsory and compulsory elective areas, the "basket model" described in § 35 (5) sentences 7 to 9 ASPO shall apply to the calculation of the grade for the respective specialisation area; this means that no grade shall be calculated for any compulsory or compulsory elective areas within a specialisation. [9] When determining the grade for a major subject, modules with numerical grades up to a maximum total of 25 ECTS credits are taken into account.

[10] When determining the subject grade and the overall grade, the individual areas are weighted as follows:

| *Structure level* | *ECTS points* | | *Weighting factor for* | | |
|---|---|---|---|---|---|
| | | | *Area grade* | *Subject grade* | *Overall grade* |
| Compulsory area | 35 | | | | 120/120 |
| Sub-area Additional qualifications Double degree | | 5 | | | |
| Sub-area Skills acquired at the foreign partner university | | 30 | | | |
| Elective area | 55 | | | 55/85 | |
| Sub-area Focus 1 | | 25 | 25/55 | | |
| Sub-area Focus 2 | | 30 | 30/55 | | |
| Final section | 30 | | | 30/85 | |
| *Total* | 120 | | | | |

## Section 8 Certificates and academic degrees

(1) [1]Upon presentation of proof of all required achievements at JMU and the partner university, including the completion of the Master's thesis, the foreign partner university shall award an academic degree in accordance with the relevant regulations of the foreign partner university, which shall be certified.

(2) [1]Upon presentation of proof of all required achievements at JMU and the partner university, including the completion of the Master's thesis, JMU shall award the academic degree "Master of Science", which shall be certified.

## § 9 Failure to complete studies at the foreign partner university

[1]If a candidate is unable to successfully complete their studies at the partner university, they may continue the Master's programme in Chemistry at JMU without the special feature of the international exchange programme, whereby the credits successfully completed at the foreign partner university will be credited accordingly. [2]The time spent abroad will only be credited towards the duration of study to the extent that credits from this period are recognised. [3]The recognition of periods of study, coursework and examinations completed abroad is otherwise determined in accordance with § 18 ASPO.

## Appendix SFB: Description of the subject