

**Non-official** reading version

**Examination regulations for the examination in the Master's degree programme  
Interdisciplinary Engineering  
in the Department of Engineering at Trier University of Applied Sciences  
including the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>th</sup> Amendment Regulations**

**Non-official reading version**

Reading versions serve to improve the readability of regulations that have been amended by one or more amendment regulations. They contain the provisions of the original and amending regulations. Only the original **German** regulations and **German** amendment regulations are legally binding, not the reading versions.

On the basis of § 7, Paragraph 2, No. 2 and § 86, Paragraph 2, No. 3 of the Rhineland-Palatinate Higher Education Act (HochSchG) of 23 September 2020 (GVBl. p. 461), last amended by § 31 of the Act of 17 December 2020 (GVBl. p. 719), BS 223-41, the Faculty Council of the Department of Engineering at Trier University of Applied Sciences adopted the following subject examination regulations at Trier University of Applied Sciences on 04.11.2020. These subject examination regulations were approved by the Presidential Board of Trier University of Applied Sciences on 20.01.2021.

It is hereby made public.

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## **§ 1 Scope of application and overriding regulations**

These subject examination regulations regulate the examination requirements and examination procedures specific to the degree programme for the Master's degree programme Interdisciplinary Engineering.

In addition, the General Examination Regulations for examinations in the degree programmes at Trier University of Applied Sciences, as amended from time to time, shall apply.

## **§ 2 Purpose of the examination**

The Master's examination leads to a further academic degree qualifying for a profession. The Master's examination determines whether the students have an overview of the contexts of their subject and the ability to independently apply and further develop scientific methods and findings, to take on complex development, planning and organisational tasks, as well as being able to competently and innovatively meet the requirements of a constantly changing professional field and to take on leadership tasks. Furthermore, it is determined whether the students possess the skills that enable them to conduct research as well as other activities that require a high degree of abstracting and formalising examination and constructive problem-solving competence.

## **§ 3 Degree**

The academic degree "Master of Science" (abbreviated to "M.Sc.") is awarded on the basis of passing the Master's examination.

## **§ 4 Admissions Committee**

**(1)** An admissions committee is formed for each Master's degree programme, which is appointed by the department.

**(2)** The members of the admissions committee are:

1. four professors,
2. a student of the department,
3. one member each pursuant to § 37 para. 2 nos. 3 and 4 HochSchG.

**(3)** The admissions committee decides on the fulfilment of the admission requirements according to § 5 of these regulations.

**(4)** The department may decide that the examination board pursuant to § 2 of the General Examination Regulations for Examinations in Degree Programmes at Trier University of Applied Sciences shall replace the admissions committee.

## **§ 5 Admission to the study programme**

**(1)** The prerequisite for admission to the degree programme is

- (a) a written request from the applicant
- b) proof of a professional university degree.

**(2)** In addition, the following special admission requirements must be met:

- a) Final report mark with an overall mark of usually at least 2.5
- b) proven university degree, the subject orientation of which contains essential contents of a degree programme in electrical engineering, mechanical engineering, automotive engineering, technical building services, industrial engineering or medical engineering.

**(3)** Applicants with a first professional university degree with less than 210 ECTS credits who wish to enrol in a Master's degree programme with 90 ECTS credits have the option of taking additional credits up to the extent of the difference between the ECTS credits taken so far and the 300 ECTS credits required for a Master's degree at the latest by the time of registration of the Master's thesis. The admissions committee defines a list of possible modules for the additional credits. Recognition by

the admissions committee of modules obtained at other universities is possible. The exact procedure is regulated by the admissions committee.

**(4)** Pursuant to § 19, paragraph 3 HochSchG, admission to the Master's degree programme may be granted before completion of the Bachelor's degree programme if, at the time of commencement of the first semester, all exam performances of the Bachelor's degree programme, with the exception of the Bachelor's thesis and, if applicable, the colloquium on the Bachelor's thesis, have been successfully passed and the average grade of all passed examination achievements calculated at the time of application is not lower than the final grade of the certificate, if applicable, as specified in paragraph 2, with an overall grade of usually at least 2.5. The enrolment expires if the admission requirements are not proven by the end of the first semester. Renewed enrolment in a Master's degree programme at Trier University of Applied Sciences is only possible after successful completion of a first higher education degree qualifying for a profession, provided that the admission requirements are met.

**(5)** To be admitted to the program, applicants must submit their module selection with their application. The module selection is created via an internet tool provided by the university. The module selection will result in the specialization (core discipline) to be determined: electrical engineering, mechanical engineering, automotive engineering, technical building services, industrial engineering, medical engineering or medical engineering (double degree). The admissions committee decides on exceptions.

**(6)** The admissions committee decides on the fulfilment of the admission requirements according to Paragraph 2,4 and 5 as well as the determination of the area of specialisation (core discipline) according to Paragraph 5. The chairing member of the admissions committee shall notify the applicants of the result. This notification shall be accompanied by an information on legal remedies.

**(7)** For admission to the double-degree Master's programme possible in this degree programme with the respective partner university, both the admission requirements according to these regulations and the admission requirements of the respective partner university for the cooperative Master's degree programme as well as the provisions of the respective valid cooperation agreement must be fulfilled. The admissions committee shall decide on admission in accordance with paragraph 2.

**(8)** The language requirements are regulated in Annex 2 of these examination regulations.

**(9)** The admission may be subject to further conditions.

## **§ 6 Standard period of study, course structure and scope of the courses offered**

**(1)** The period of study in which the degree programme can normally be completed (standard period of study) is 3 semesters with a total student workload corresponding to 90 credit points (ECTS). One credit point (ECTS) corresponds to a student workload of 30 hours. The Master's examination can be taken within the standard period of study.

**(2)** The range of courses extends over the number of semesters specified in paragraph 1. The range of courses is fully modularised and generally comprises compulsory courses totalling 4 SWS and compulsory elective courses totalling 36 SWS.

A focusing in a complementary discipline exists if both a sub-area of the interdisciplinary thesis and at least 20 credit points from modules with correspondingly specific content have been achieved. The examination board decides on the admission of the topic for a focus.

The courses offered in the required and compulsory elective areas are generally offered in German, but can also be offered in another language.

It is possible that courses in the required and compulsory elective areas are offered in English.

**(3)** The number, the awarding of credit points (ECTS) and the modules according to §§ 7 and 8 of the State Ordinance on Study Accreditation can be found in Annex 1 of these regulations.

**(4)** Students who are enrolled in a double-degree Master's programme must complete respectively 30 credit points (excluding the thesis) at Trier University of Applied Sciences and at the respective partner

university in accordance with Annex 1.

## **§ 7 Study performances**

The study plan shown in Annex 1 does not show any study performances due to the diverse individual composition. However, the respective modules of the faculties may contain study performances. Whether and in which modules study performances are included and whether these are examination prerequisites can be found in the published compulsory elective catalogue.

## **§ 8 Thesis**

**(1)** The final thesis should show that the students are able to work independently on a subject-related project using scientific methods within a specified period of time. An interdisciplinary final thesis in connection with other subject areas is possible. The Master's thesis in the Double Degree Master's programme is to be supervised by an examiner from Trier University of Applied Sciences and the respective partner university.

**(2)** Students may register for the final thesis at the earliest after they have been notified that they have achieved 50 credit points (ECTS).

Students must register for the thesis no later than three months after the announcement of the acquisition of 60 credit points (ECTS).

The announcement is made via the university's own electronic examination administration system. If the registration for the thesis is not made in due time, it is considered as failed for the first time.

**(3)** The processing period is up to 26 weeks. It begins with the issue of the topic. In individual cases, the examination committee may extend the processing period by up to 6 weeks upon justified application.

## **§ 9 Colloquium on the final thesis**

The students present their thesis, which has been graded with at least "sufficient", in a colloquium of usually 40 minutes duration. The content of the thesis is questioned in the context of the respective degree programme. The presentation takes place before an examination committee. The members of this committee are:

1. the examiner of the final thesis according to § 10 paragraph 6 of the General Examination Regulations for Examinations in the Study Programmes at Trier University of Applied Sciences and at least one further examiner according to § 3 paragraph 2 of the General Examination Regulations for Examinations in the Study Programmes at Trier University of Applied Sciences,

or

2. the examiner of the final thesis and another expert observer to be determined by the examination committee.

§ 7 (4) to (6) of the General Examination Regulations for Examinations in the Study Programmes at Trier University of Applied Sciences shall apply accordingly.

## **§ 10 Formation of the overall grade**

**(1)** The overall grade results from the weighted individual grades. The weighting of the individual grades can be found in Appendix 1 of these regulations.

**(2)** When calculating the overall grade, only the first decimal place after the comma shall be taken into account; all other places shall be deleted without rounding. In the case of outstanding performance (overall grade up to 1.2), the overall grade "With distinction" may be awarded.

**(3)** The conversion of grades for a double-degree Master's programme results from the respective cooperation agreement.

## **§ 11 Passing, failing and repeating of exam performances**

**(1)** Supplementary to the regulation in § 14 paragraph 1 of the General Examination Regulations for Examinations in the Study Programmes at Trier University of Applied Sciences it is stipulated:

Furthermore, failed exam performances in modules or examination areas of another degree programme at a higher education institution in the Federal Republic of Germany which essentially correspond to the chosen degree programme shall be credited as failed attempts, provided that equivalent requirements were set for their passing. Equivalence is determined in accordance with § 15 of the General Regulations for Examinations in the Study Programmes at Trier University of Applied Sciences.

**(2)** Pursuant to § 14 paragraph 2 of the General Regulations for Examinations in the Study Programmes at Trier University of Applied Sciences it is stipulated:

The repeat examinations are to be taken within the framework of the examination dates of the respective next semester. The examination board decides on exceptions. In the double-degree Master's programme, the repetition of examinations not passed at Trier University of Applied Sciences or not taken due to illness takes place in the following semester at the respective partner university or as an electronic distance examination. Trier University of Applied Sciences provides the corresponding examinations. In the case of oral examinations, the examination takes place using a video conference system.

**(3)** Pursuant to § 14 paragraph 3 of the General Regulations for Examinations in the Study Programmes at Trier University of Applied Sciences it is stipulated:

The repetition of an examination performance passed in the first examination attempt is permitted once for the next examination date in order to improve the grade. If a grade improvement is not achieved, the grade achieved in the first examination attempt remains valid. For the final thesis and the colloquium on the final thesis, a repetition to improve the grade is not permitted.

## **§ 12 Entry into force**

The subject examination regulations come into force on the day after their publication in the official publication organ of Trier University of Applied Sciences "publicus". They apply to all students who begin their studies in the summer semester 2021.

## Appendix 1: Master's programme in Interdisciplinary Engineering <sup>12</sup>

	1		2		3		Summe		Gewicht
	SWS	LP(ECTS)	SWS	LP(ECTS)	SWS	LP (ECTS)	SWS	LP (ECTS)	
<b>Module aus der Kerndisziplin*</b>									
<b>Summe</b>	<b>12</b>	<b>15</b>					<b>12</b>	<b>15</b>	<b>15</b>
<b>Module aus ergänzenden Disziplinen**</b>									
<b>Summe</b>	<b>12</b>	<b>15</b>					<b>12</b>	<b>15</b>	<b>15</b>
<b>Module aus der Kerndisziplin oder aus ergänzenden Disziplinen***</b>									
<b>Summe</b>			<b>12</b>	<b>15</b>			<b>12</b>	<b>15</b>	<b>15</b>
<b>Module mit studierendenzentrierten Lehrformen</b>									
Interdisziplinäres Seminar			4	5			4	5	5
Interdisziplinäres Projekt				10				10	10
<b>Summe</b>			<b>4</b>	<b>15</b>			<b>4</b>	<b>15</b>	<b>15</b>
<b>Master-Abschlussarbeit</b>									
Abschlussarbeit						30		30	30
<b>Summe</b>						<b>30</b>		<b>30</b>	<b>30</b>
<b>Summe ges.</b>	<b>24</b>	<b>30</b>	<b>16</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>40</b>	<b>90</b>	

\* As part of the admission procedure, the core discipline applicable in the degree programme is determined. Students choose modules from the compulsory elective catalogue of their core discipline amounting to 15 ECTS.

\*\* Students choose modules amounting to 15 ECTS from the compulsory elective catalogue. The modules must NOT belong to their core discipline as determined in the admission procedure.

\*\*\* Students choose modules amounting to 15 ECTS from the compulsory elective catalogue. Modules within or outside the core discipline identified in the admission procedure can be chosen.

<sup>1</sup> The most suitable period for a stay at another higher education institution is the second and third semester.

<sup>2</sup> The grade from the three module groups (modules from the core discipline, modules from the supplementary disciplines or modules from the core discipline or supplementary disciplines) results from the average of the individual grades weighted with the credit points.

## Appendix 2: Type and scope of the language requirements examination

Applicants for the degree programme Interdisciplinary Engineering with English as the language of instruction must provide evidence of language skills in English and German.

Evidence of language skills in English is provided by at least one of the following qualifications:

- Abitur certificate (advanced course with at least 10 out of 15 points in the average of the last two school years, the Abitur grade also counts)
- Abitur certificate (basic course with at least 12 out of 15 points in the average of the last two school years)
- TOEFL (Test of English as a Foreign Language) (minimum 75 points internet based)
- Cambridge C1 Advanced with at least 170 points or Cambridge Certificate of Proficiency in English (CPE)
- IELTS (International English Language Testing System) at least overall band score 6.0 points
- TELC (The European Language Certificates) at least C1 level
- Acquisition of the university entrance qualification in the English language
- Completion of a Bachelor's degree programme in English
- Recognition of proof of English language proficiency at the partner university for a double-degree programme

In justifiable exceptional cases, English language skills or the respective language of instruction certified by three professors of the receiving department may replace the respective language examination.

Proof of German language skills is provided by at least one of the following qualifications:

- Goethe Certificate B1
- Zertifikat Deutsch / telc Deutsch B1
- TestDaF TDN 3
- UNICert I DaF
- Deutsches Sprachdiplom (DSD) of the Conference of Ministers of Education and Cultural Affairs - First Level (DSD I) with B1 in all areas)
- DSH B1
- Completion of a Bachelor's degree programme in German