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**Study and examination regulations
for the Master's degree in Paper Technology (for
paper technology engineers)
at the University of Applied Sciences Munich**

from 30.11.2022

Based on Art. 9 Sentence 1, Art. 80 Para. 1, Art. 84 Paras. 2 and 3, Art. 90 Para. 1 and Art. 96 Para. 1 of the Bavarian University Innovation Act (BayHIG) of August 5, 2022 (GVBl. p. 414, BayRS 2210-1-3-WK), the Munich University of Applied Sciences enacts the following statutes:

**§ 1
Study Goal**

The aim of the master's program is to enable students to independently and in-depth application and independent development of scientific knowledge and procedures in the professional field of paper technology.

**§ 2
Qualification for the study**

(1) Qualification requirements for admission to the master's degree program in Paper Technology (for paper technology engineers) are:

1. Proof of a completed paper technology degree at a German university or a similar course of study comprising at least 180 credit points and at least six theoretical semesters of study or an equivalent degree.
2. Applicants who have completed their first degree with an overall examination result of "good" or better are admitted to this Master's program without any further suitability procedure. Applicants with an overall examination result of less than 2.5 must prove their professional suitability within the framework of an aptitude procedure according to Para. 2.

3. Evidence of a good command of written and spoken English. Proof is provided by taking the TOEFL test (Test of English as a Foreign Language) with an above-average score (at least 80 points according to the current Internet-based test), TOEIC-Listening & Reading and TOEIC-Speaking & Writing (combined at least 800 points), successful completion of the IELTS test (International English Language Testing System) with at least an average score of 6.0 or successful participation in the UNICert® II or III English language certificate. In addition, proof can be provided by a stay abroad in an English-speaking country of at least one year in total. The proof required according to sentences 1 and 2 must not be older than two years. The proof of language proficiency may be submitted until the end of the
 1. The exam must be submitted in the second semester. In cases of doubt, the examination board will decide.
4. Proof of relevant, engineering-related practical work in the paper industry or its supplier industries of at least 12 weeks. In cases of doubt, the board of examiners decides.

2The chairing member of the board of examiners, together with another member appointed by the board of examiners, shall decide, in compliance with Art. 86(1) BayHIG, whether the qualification requirements pursuant to sentence 1 have been met, in particular also on the equivalence of university degrees and other degrees pursuant to No. 1 and on whether the evidence pursuant to No. 2 is deemed to have been provided without an aptitude test.

- (2) ¹The aptitude test according to Paragraph 1 Sentence 1 No. 2 is carried out on the basis of the application in due form and time, the application documents submitted and a 20-40 minute interview, the contents of which are determined by the examination board. The subject of the aptitude test is proof of knowledge of chemistry, mathematics and physics as well as adequate English language skills. The applicant must demonstrate the ability to carry out interdisciplinary scientific work and to make decisions using the example of structured, systematic approaches to solving technical problems.
- (3) The aptitude test is carried out by two professors and/or scientific assistants or lecturers of the Faculty of Technical Systems, Processes and Communication, who are appointed by the Examination Board and of whom at least one has teaching responsibilities in the Master's program.
- (4) ^{1A} transcript must be made of the aptitude test, showing the date and place of the interview, its topics, the names of the candidate and the examiners, and the result. The minutes must be signed by the examiners.
- (5) The result of the aptitude test is communicated to the applicant for study usually announced at least one month before the start of the study.
- (6) ¹In case of rejection, the application is possible for another date. ²A third application is excluded.
- (7) If the number of applicants is insufficient, there is no right to demand that the Master's program be carried out.

§ 3

Start and structure of the study program and standard period of study

- (1) Admission to the Master's program in the first semester is possible both in the winter and summer semester of an academic year. ²The application must be submitted in writing by the May 2 to June 15 of a year for studies beginning in the winter semester and from November 15 to January 15 of a year for studies beginning in the summer semester with the

The required documents must be submitted to the matriculation office of the Munich University of Applied Sciences.

- (2) ¹The study program can be completed as a full-time study program or as a part-time study program. ²The study applicant must decide at the time of registration whether he/she wishes to pursue full-time or part-time studies. ³Some courses can also be offered as distance learning. ⁴Details are regulated by the study plan.
- (3) ¹The standard period of study for full-time studies is three theoretical semesters, including a master's thesis. ²The standard period of study for part-time studies is six semesters of theoretical study, including a master's thesis.
- (4) In part-time studies, a maximum of 20 credit points may be earned per semester.

§ 4

Catching up on credit points

¹If applicants can prove that they have completed a university degree for which less than 210 credit points (but at least 180 credit points) have been awarded, the prerequisite for passing the Master's examination is proof of the missing credit points from the relevant undergraduate degree program offered by the Munich University of Applied Sciences. ²The Examination Commission determines which competencies (learning outcomes) the student has not acquired in his/her completed first degree program in comparison with a university degree program comprising 210 credit points, and from this determines the modules and examination achievements that the student still has to make up and take. ³These courses and examinations must be successfully completed within 12 months of commencement of the master's degree program, with a maximum of one retake per examination. ⁴The modules and examinations determined by the examination board shall be announced to the students upon enrollment. ⁵Students are enrolled in the master's degree program Paper Technology (for paper technology engineers) for the completion of the missing credit points.

§ 5

Examination board

- (1) For the master's degree program Paper Technology (for engineers in paper technology), an examination board is formed consisting of three professors from the Faculty of Technical Systems, Processes and Communication who teach in the master's degree program.
- (2) ¹The Faculty Council elects the chairperson of the Examination Commission and his/her deputy. ²The Examination Commission may transfer examination and decision-making powers to its chairperson in accordance with these Statutes.

§ 6

Master thesis

- (1) ¹The topic of the Master's thesis is issued at the beginning of the second semester at the earliest in the case of full-time study and at the beginning of the fourth semester at the earliest in the case of part-time study. ²The issue of the topic requires that the final module grade "sufficient" or better has been achieved in at least 9 of the modules listed in the appendix in lines 1 - 14. ³The processing time is a maximum of six months.

- (2) ¹For the repetition of a failed Master's thesis with a new topic, Paragraph 1 Sentence 3 applies. ²The new topic must be assigned no later than one month after notification of the result of the failed Master's thesis.

§ 7

Evaluation of examinations and overall examination result

- (1) ¹For the calculation of the overall examination result, the final grades of all modules and the grade of the master thesis are weighted according to their respective credit points. ²The grade "successfully passed" (m.E.a.) of the examination performance "Presentation" in module 15 is a prerequisite for passing the Master's examination.
- (2) The final module grade "Electives" is calculated by weighting the examination results per elective in the ratio 0.5 : 0.5.
- (3) ¹The examination results obtained in accordance with the decision of the Examination Committee pursuant to § 4 shall be listed in the Master's examination certificate, but shall not be included in the calculation of the overall examination result.

§ 8

Academic degree

On the basis of the successful completion of the Master's examination, the academic degree "Master of Engineering", in short: "M.Eng.", is awarded.

§ 9

Entry into force

¹These regulations come into force on March 15, 2023. ²It applies to students who begin their studies in the master's degree program Paper Technology (for paper technology engineers) after the winter semester 2022/2023.

Attachment:

Overview of modules and examinations in the master's degree program Paper Technology (for paper technology engineers) at the Munich University of Applied Sciences

| No. | Modules | SWS | Performance points | Teaching event art | Form of examination | Admission requirements |
|------|--|-----|--------------------|--------------------|-----------------------------|------------------------|
| B 1 | Chemical Engineering | 3 | 4 | SU, Ü | schrP | |
| B 2 | Minerals | 4 | 5 | SU, Ü, Pra | schrP | TN |
| B 3 | Intercultural Communication | 2 | 3 | SU, Ü | mdIP | |
| B 4 | Scientific Writing | 2 | 3 | SU, Ü | ModA | |
| B 5 | Recycled Fibers | 4 | 5 | SU, Ü, Pra | schrP | TN |
| B 6 | Automation Fundamentals | 4 | 5 | SU, Ü | schrP | |
| B 7 | Fundamentals of Coating | 4 | 5 | SU, Ü | schrP | |
| B 8 | Coating and Barriers | 4 | 5 | SU, Ü, Pra | mdIP | TN |
| B 9 | General Management | 4 | 5 | SU, Ü | ModA | |
| B 10 | Paper Chemistry | 4 | 5 | SU, Ü, Pra | schrP | |
| B 11 | Paper Machine Technology | 4 | 5 | SU, Ü, Pra | schrP | TN |
| B 12 | Automation and Digitalization | 4 | 5 | SU, Ü, Pra | mdIP | |
| B 13 | Design of Experiments and Statistics | 4 | 5 | SU, Ü | schrP | |
| B 14 | Circular Economy | 4 | 5 | SU, Ü | ModA | |
| E | Electives: Elective 1 Elective 2 | 4 | 5 | SU, Ü, Pra | ModA or mdIP or schrP | |
| B 15 | Master's Thesis | | 20 | | MA, Pres | |
| | Sum of SWS and performance points: | 56 | 90 | | | |
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