

**Study and examination regulations
for the Bachelor's degree
programme
International Bachelor of Wood Technology
at the Campus Rosenheim of Rosenheim
Technical University of Applied Sciences**

of 1 August 2023

On the basis of Article 77 (1) Sentence 1, Article 79 (1) Sentence 1, Article 80 (1), Article 84, Article 87 and Article 88 (3) of the Bavarian Higher Education Innovation Act (BayHIG) dated 5 August 2022 (GVBl. p. 414, BayRS 2210-1-3WK) Rosenheim Technical University of Applied Sciences issues the following study and examination regulations:

Section 1 Purpose of the study and examination regulations

These study and examination regulations serve as a supplement to the current versions of the Basic Examination Regulations for Universities of Applied Sciences in Bavaria (*Rahmenprüfungsordnung für die Fachhochschulen in Bayern – RaPO*) of 17 October 2001 and the General Examination Regulations of Rosenheim Technical University of Applied Sciences (*Allgemeine Prüfungsordnung der Technical Hochschule Rosenheim – APO*) of 2 August 2016.

Section 2 Study objectives

- (1) The aim of the International Bachelor of Wood Technology is to train its students through application-oriented teaching based on scientific findings and methods. Graduates will be capable of professional independent work as engineers.
- (2) Attention is paid to a broad, qualified and interdisciplinary education that enables graduates to work in a wide range of professions. Career opportunities can be found not only in companies but also in the public sector and self-employment.
- (3) The degree programme qualifies students for the following professional fields of work:
 1. Specialist and managerial staff in woodworking and wood processing companies as well as in the sector-related supply companies, mechanical engineering companies and consulting firms
 2. Engineering activities in development and design, product and production management, sales and procurement management, production and logistics
 3. Management of companies and parts of companies with responsibility for results
 4. Freelance engineering activity in the consulting, projecting or appraising field
 5. Work in public sector administration.

Section 3 Admission requirements

- (1) Admission to the degree programme requires level B2 English language skills under the Common European Framework of Reference for Languages (CEFR). To prove this requirement, Art. 3 (1) of the currently valid version of the rules for regulating language admission requirements for university studies at Rosenheim Technical University of Applied Sciences shall apply.

(2) If you do not have a German-language university entrance qualification, you must provide evidence of German language skills at level A2 or higher according to the CEFR. To prove this requirement, Art. 3 (2) of the currently valid version of the rules for regulating language admission requirements for university studies at Rosenheim Technical University of Applied Sciences shall apply.

(3) The Examination Committee shall decide whether the admission requirements are met.

Section 4 Course structure

(1) The standard period of study for the Bachelor's degree programme is eight semesters. This includes seven theoretical semesters and one practical semester. The practical semester takes place in the 6th semester.

(2) By the end of the third semester, the examinations in the modules "Mathematics 1", "Engineering Mathematics", "Physics", "Basic Building Physics", "Technical Mechanics 1: Statics" and "Metallic Materials and Machine Elements" must have been taken. If students miss this deadline for reasons for which they are responsible, the examinations shall be considered taken for the first time and failed. Only those students who have achieved the following are entitled to start the fourth semester and continue with further studies:

- at least 25 credit points from the subject-specific study basics in the sense of No. 2 in the Appendix, and
- at least 20 credit points from the "German as a foreign language" modules in the sense of No. 1 in the Appendix .

(3) Only those students who have achieved the following are entitled to start the practical semester:

- at least 90 credit points from the subject-specific modules in the sense of No. 2 and 3 in the Appendix, and
- successfully completed the prior work experience.

(4) The degree programme includes a Bachelor's thesis.

(5) The teaching language in the first semester is English. As from the second semester, lectures will also be conducted in German. German is usually the teaching language in semesters four to eight.

Section 5 Modules and examinations

The modules, their number of hours, credit points, type of lecture as well as type and scope of examinations are set out in the Appendix to these rules. The regulations defined in these rules are supplemented by the study plan.

Section 6 Study plan

(1) The Faculty of Wood Technology and Construction at Rosenheim Technical University of Applied Sciences produces a study plan containing individual details of the degree programme, in order to secure the range of courses on offer and to provide the students with information. This study plan is decided by the Faculty Council of the Faculty of Wood Technology and Construction and made public at the university. New regulations must be published at the latest at the start of the semester in which the regulations come into force for the first time. In particular, the study plan includes regulations and information on:

1. Objectives, content, hours per week per semester, credit points and types of lecture used in individual modules, if this is not regulated conclusively in these rules, and, in particular, a list of current required elective modules, including conditions and restrictions regarding student numbers.

2. Objectives and content of the prior work experience, the practical semester and the parallel lecture course as well as the form, organisation and number of credit points.
 3. More detailed conditions relating to examinations, the language of examinations, certificates of attendance and admission requirements.
- (2) No assertion is made that all required elective modules and elective modules shall actually be available. Equally, no assertion is made that associated lectures shall be conducted if there are insufficient attendees. The Examination Committee can also set requirements for attendance as well as maximum numbers of attendees for certain lectures.

Section 7 Prior work experience and the practical semester

- (1) The International Bachelor of Wood Technology degree programme requires evidence of a minimum of ten weeks' prior work experience in accordance with the study plan.
- (2) This prior work experience generally needs to be completed before the degree programme, but at the latest by the end of the fourth semester of study. It can be completed in several parts.
- (3) The practical semester is completed in the sixth semester and in one block. It comprises a supervised work experience-based practical period of 18 weeks to be spent at a relevant company. The practical semester is supplemented by mandatory parallel lectures which culminate in an examination. Details are set out in the study plan.
- (4) The prior work experience and the practical semester are considered successfully completed if the individual practical periods covering the required content are evidenced by a certificate from the place of training based on the template provided by the university, a valid practical report is submitted on time and, if applicable, a seminar presentation is graded as passed by a supervisor.

Section 8 The Bachelor's thesis

- (1) Students must successfully complete their practical semester, consisting of the practical period and the parallel lectures, and achieve 180 credit points in order to request a topic for a Bachelor's thesis.
- (2) The Bachelor's thesis must be submitted at the latest five months after the topic is issued.
- (3) The Bachelor's thesis is assessed and graded by two examiners. At least one of these two examiners should be a full-time professor at the Faculty of Wood Technology and Construction at Rosenheim Technical University of Applied Sciences.
- (4) The Bachelor's thesis may be written in German or English. A summary in German and English must be included, however.
- (5) The Bachelor's thesis must be presented and defended in person within a 30-minute time period. The defence is subject to the terms and conditions set out in the General Examination Regulations (APO). The presentation and defence are also included in assessing the thesis.

Section 9 Academic Advising

If a student does not obtain at least 25 credit points after two semesters, he or she must seek assistance from Academic Advising.

Section 10 Examination Committee

- (1) The Examination Committee at the Faculty of Wood Technology and Construction is responsible for the International Bachelor of Wood Technology.

(2) The Examination Committee consists of at least three members from among the professors of the Faculty of Wood Technology and Construction. The Examination Committee is appointed by the Faculty Council for a period of two years.

Section 11 Overall examination grade

The overall examination grade is the arithmetic average of significant individual grades weighted with credit points, rounded off to one decimal point. Non-graded practical periods and certificates of achievement are not taken into account in the calculation.

Section 12 Academic title

On passing the Bachelor's examination, the student shall be awarded the academic title of "Bachelor of Engineering", in short: "B.Eng.".

Section 13 Effective date, transitional regulations

These study and examination regulations come into force on 15 March 2024.

Issued on the basis of the resolution by the Senate of Rosenheim Technical University of Applied Sciences of 19 July 2023 and the approval of the President of Rosenheim Technical University of Applied Sciences.

Rosenheim, 1 August 2023
Represented by

Oliver Heller
Chancellor

These rules were laid down on 1 August 2023 at Rosenheim Technical University of Applied Sciences. This was published within the university on 1 August 2023. The publication date is therefore 1 August 2023.

Anlage zur Studien- und Prüfungsordnung für den Bachelorstudiengang International Bachelor of Wood Technology an der Technischen Hochschule Rosenheim

Appendix to the study and examination regulations for the Bachelor's degree programme International Bachelor of Wood Technology at Rosenheim Technical University of Applied Sciences

1. Sprachliche Studiengrundlagen

Language study basics

Modul Nr. Module No.	Modulbezeichnung Modules	SWS Hours per week	Leistungspunkte ECTS	Art der Lehrveranstaltung 1) Type of course	Prüfungen Examinations 1) 2)		Ergänzende Regelungen 1) Supplementary regulations
					Art u. Dauer in Minuten Type and duration	ZV	
IWT 01	Deutsch B1.1 German B1.1	4	5	SU, Ü	schrP 60-180 min oder/or eIP 20-180 min oder/or PStA 2-15 Wo		
IWT 02	Deutsch B1.2 German B1.2	4	5	SU, Ü	schrP 60-180 min oder/or eIP 20-180 min oder/or PStA 2-15 Wo		
IWT 11	Deutsch B2.1 German B2.1	4	5	SU, Ü	schrP 60-180 min oder/or eIP 20-180 min oder/or PStA 2-15 Wo		
IWT 12	Deutsch B2.2 German B2.2	4	5	SU, Ü	schrP 60-180 min oder/or eIP 20-180 min oder/or PStA 2-15 Wo		
IWT 21	Technisches Deutsch 1 Technical German 1	4	5	SU, Ü	schrP 60-180 min oder/or eIP 20-180 min oder/or PStA 2-15 Wo		
IWT 22	Technisches Deutsch 2 Technical German 2	4	5	SU, Ü	schrP 60-180 min oder/or eIP 20-180 min oder/or PStA 2-15 Wo		
			30				

2. Fachliche Studiengrundlagen

Subject-specific study basics

Modul Nr. Module No.	Modulbezeichnung Modules	SWS Hours per week	Leistungspunkte ECTS	Art der Lehrveranstaltung 1) Type of course	Prüfungen Examinations 1) 2)		Ergänzende Regelungen 1) Supplementary regulations
					Art u. Dauer in Minuten Type and duration	ZV	
IWT 03	Mathematik 1 Mathematics 1	5	5	SU, Ü	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20- 180 min		5) 10 %
IWT 04	Technische Mechanik 1: Statik Engineering Mechanics 1: Statics	4	5	SU, Ü	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20- 180 min		
IWT 05	Fertigungstechnik Holz Manufacturing Engineering of Wood Based Products	5	5	SU, Ü, Pr	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20- 180 min	6)	
IWT 06	Materialwissenschaften Holz und Holzwerkstoffe Material Science of Wood and Wood Based Products	4	5	SU, Ü, Pr	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20- 180 min		

IWT 13	Holzphysik und Holzanatomie <i>Wood Physics and Wood Anatomy</i>	5	5	SU, Ü, Pr, S	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min	6)	
IWT 14	Physik <i>Physics</i>	5	5	SU, Ü, Pr	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min	6)	5) 10 %
Modul Nr. <i>Module No.</i>	Modulbezeichnung <i>Modules</i>	SWS <i>Hours per week</i>	Leistungs- punkte <i>ECTS</i>	Art der Lehrver- anstaltung 1) <i>Type of course</i>	Prüfungen <i>Examinations</i> 1) 2)		Ergänzende Regelungen 1) <i>Supplementary regulations</i>
					Art u. Dauer in Minuten <i>Type and duration</i>	ZV	
IWT 15	Grundlagen Chemie <i>Basic Chemistry</i>	4	5	SU, Ü	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min		
IWT 16	Metallische Werkstoffe und Maschinenelemente <i>Metallic Materials and Machine Elements</i>	5	5	SU, Ü, S	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min	Ü, mE	5) 5 %
IWT 23	Grundlagen der Bauphysik <i>Basic Building Physics</i>	5	5	SU, Ü, Pr, S	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min	Pr, mE	5) 5 %
IWT 24	Ingenieurmathematik <i>Engineering Mathematics</i>	5	5	SU, Ü, S	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min		5) 5 %
IWT 25	Maschinenkunde und Grundlagen IT <i>Machine Engineering and IT Basics</i>	5	5	SU, Ü, Pr, S	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min	Ü, mE	5) 5 %
IWT 26	Holzchemie und Polymere <i>Wood Chemistry and Polymers</i>	5	5	SU, Ü, Pr	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min	6)	
			60				

3. Module Hauptstudium

Major fields of study

Modul Nr. <i>Module No.</i>	Modulbezeichnung <i>Modules</i>	SWS <i>Hours per week</i>	Leistungs- punkte <i>ECTS</i>	Art der Lehrver- anstaltung 1) <i>Type of course</i>	Prüfungen <i>Examinations</i> 1) 2)		Ergänzende Regelungen 1) <i>Supplementary regulations</i>
					Art u. Dauer in Minuten <i>Type and duration</i>	ZV	

IWT-HT	Module des Studiengangs Holztechnik HT-B HT31 bis HT36 HT41 bis HT45 HT61 bis HT65 HT71 bis HT72 <i>Modules from the degree programme Holztechnik HT-B HT31 to HT36 HT41 to HT45 HT61 to HT65 HT71 to HT72</i>	-	93	SU, Ü, Pr, S	P		HT71: 3)
IWT-HT	HT73		15	SU, Ü, Pr, S	P		4)
BA	Bachelorarbeit <i>Bachelor's Thesis</i>	-	12	BA	BA		
			120				

4. Praktisches Studiensemester / Praxisphasen

Practical semester / practical periods

Modul Nr. <i>Module No.</i>	Modulbezeichnung <i>Modules</i>	SWS <i>Hours per week</i>	Leistungspunkte <i>ECTS</i>	Art der Lehrveranstaltung <i>1) Type of course</i>	Prüfungen <i>Examinations</i>		Ergänzende Regelungen <i>1) Supplementary regulations</i>
					Art u. Dauer in Minuten <i>Type and duration</i>	ZV	
SP	Praxisphase <i>Practical Internship</i>	-	25				
IWT-PVL	Modulgruppe Praxisbegleitende Lehrveranstaltung <i>Lecture for Practical Internship</i>	2	5	SU, Ü, Ex	PB, SV		
		2	30				

1) The Faculty Council sets out the details in the study plan.

2) A minimum grade of "sufficient" for all significant examinations is required to successfully complete the programme.

3) On-time submission and fulfilment of the other criteria mentioned in Section 7 (4) are prerequisites for passing.

4) The catalogue of specialist required elective modules is determined by the Faculty Council for each semester according to the criteria in Section 6, and set out in the study plan at the start of each semester.

5) Midterm examinations (MTP): Additional examinations can be taken voluntarily, which contribute to the module grade in accordance with the specified weighting. Details are set out in the study plan.

6) The admission requirement for the examination is successful completion of the internship with a certificate (proof of achievement with a pass (LNmE)).

5. Erklärung der Abkürzungen (*Abbreviations*):

SWS	= Semesterwochenstunden <i>hours per week per semester</i>
ECTS	= European Credit Transfer System
V	= Vorlesung <i>lecture</i>
Ü	= Übung <i>practical exercise</i>
SU	= Seminaristischer Unterricht <i>seminar-based lectures</i>
ZV	= Zulassungsvoraussetzung <i>admission requirements</i>
BA	= Bachelorarbeit <i>Bachelor's thesis</i>
FWPM	= Fachwissenschaftliche Wahlpflichtmodule <i>specialist required elective modules</i>
schrP	= schriftliche Prüfung <i>written examination</i>
PStA	= Prüfungsstudienarbeit <i>coursework (such as a work experience report, or a colloquium for group work with an additional, individual examination)</i>
mdIP	= mündliche Prüfung <i>oral examination</i>
Ex	= Exkursion <i>field trip</i>
Kol	= Kolloquium <i>colloquium</i>
elP	= elektronische Prüfung <i>electronic examination</i>
prP	= praktische Prüfung <i>practical examination</i>
mE	= mit Erfolg abgelegt <i>passed</i>
P	= Prüfungen <i>exams</i>
PA	= Projektarbeit <i>project work</i>
PB	= Praxisbericht <i>practical report</i>
Pr	= Praktikum <i>work experience</i>
S	= Seminar <i>seminar</i>
SV	= Seminarvortrag <i>seminar presentation</i>
TN	= Teilnahmenachweis <i>certificate of attendance</i>