

# Study Plan

for the degree programme

## International Bachelor of Wood Technology

Faculty of Wood Technology and Construction

Based on the **SPO dated 01.08.2023**

### **Summer Semester 2024**

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## Preliminary remarks

The Faculty of Wood Technology and Construction prepares a study plan (in accordance with Section 6 of the Study and Examination Regulations, SPO) to establish the courses offered in the degree programme and to inform the students. The study plan is adopted by the Faculty Council and published at the University. New regulations are announced at the beginning of the semester in which they will apply for the first time.

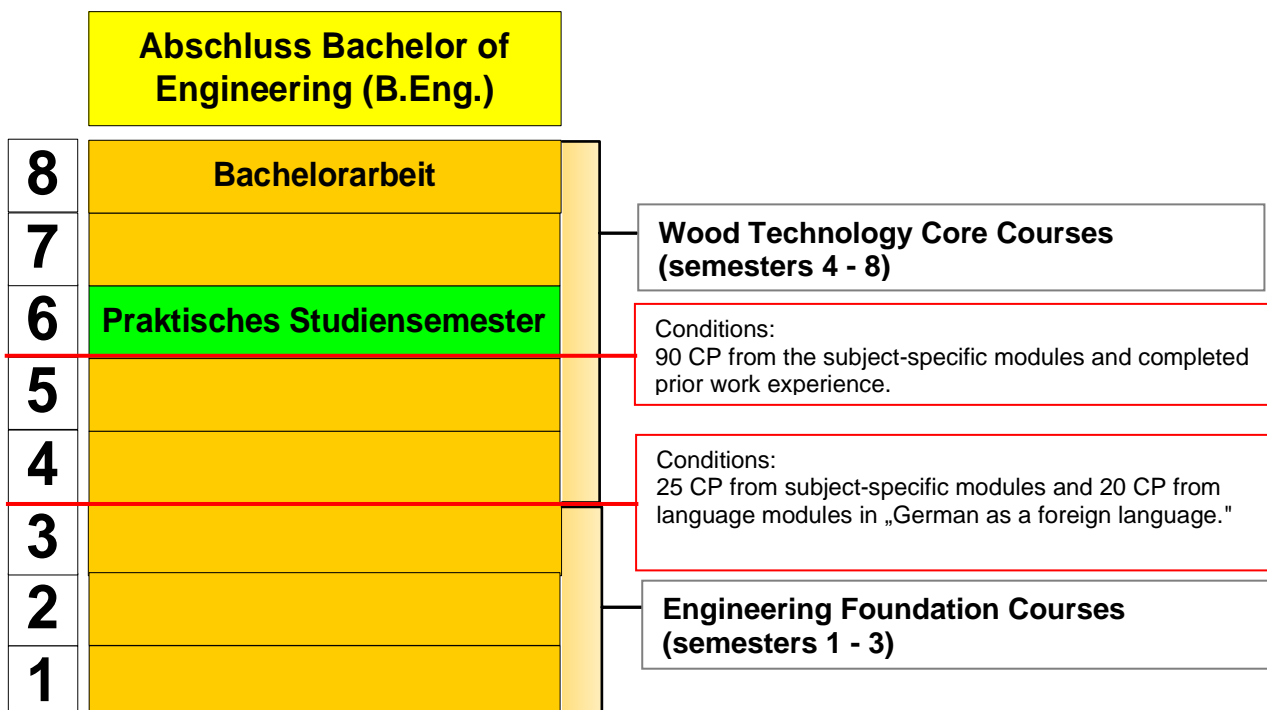
There is no guarantee that all the modules available will be offered. Similarly, there is no guarantee that courses will be offered if there are not enough participants.

This Study Plan applies to students in the International Bachelor of Wood Technology degree programme starting in the summer semester 2024 or later. This Study Plan is based on the Study and Examination Regulations (SPO) dated 01.08.2023.

The regulations are subject to change at any time due to circumstances that impact the teaching. The most recent announcements are authoritative.

## Overview

The International Bachelor of Wood Technology is a full-time programme with a standard length of study of eight semesters.



The programme consists of seven theoretical semesters and one practical semester. The practical semester takes place in the sixth semester.

The first semester is taught in English. From the second semester onwards, courses are also taught in German. In semesters four to eight, German is the language of instruction.

Students enrolled in the International Bachelor of Wood Technology are required to provide evidence of at least ten weeks of prior work experience. In general, the prior work experience must be completed before the start of the degree programme, but no later than the end of the fourth semester. The prior work experience can be completed in several stages. If the prior work experience has not been completed before the start of the degree programme, the missing periods can be completed during the lecture-free periods up to the end of the fourth semester.

The practical semester takes place in the sixth semester. In order to be admitted to the practical semester, students must prove that they have completed the entire prior work experience and that they have earned 90 CP from the subject-specific modules as defined in nos. 2 and 3 of the appendix to the SPO. This means that the CP already earned in the language modules "German as a Foreign Language" are not included in the 90 CP to be proven from the subject-specific modules.

## 1 Distribution of the number of credit points (CP) per semester

The International Bachelor of Wood Technology degree programme is defined to a large extent by the compulsory subjects offered. On average, students are required to complete 30 CP per semester. This means that 240 CP must be completed in the entire Bachelor's degree programme.

## 2 Information on the module selection and the course of study

"*Compulsory modules*" in the engineering foundation courses and in the wood technology core courses must be taken by all students. The distribution of these modules over the semesters is shown in sections 5.1 and 5.2.

"*Specialist required elective modules*" must be taken for a minimum of 15 CP. As these modules are geared to the changing requirements of the labour market, the Faculty Council reviews, updates and re-defines them every semester (see also section 5.4).

The current version of the Study and Examination Regulations (SPO) for the International Bachelor of Wood Technology defines the study and examination obligations and the requirements for admission to certain phases of the programme.

The required examinations and the requirements for admission to the different phases of the International Bachelor of Wood Technology programme are listed below.

### I) Examinations to be taken by the end of the third semester

Examinations for the following modules must be taken for the first time by the end of the third semester:

- Mathematics 1
- Engineering mathematics
- Physics
- Basics of Building Physics
- Engineering Mechanics 1: Statics
- Metallic Materials and Machine Elements

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 (SPO Section 4 (2)).

### II) Prerequisite for entry into the fourth semester (Wood Technology core courses)

Admission to the fourth semester and subsequent further studies is only possible for those who have achieved

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

(SPO Section 4 (2)).

The credit points achieved in the language modules "German as a Foreign Language" are not included in the 25 CP to be proven from the subject-specific modules.

### **III) Requirements for entry into the practical semester**

Prerequisites for admission to the practical semester (sixth semester) are

- proof of having completed the full period of prior work experience, as well as
- the attainment of 90 CP from the subject-specific modules (SPO Section 4 (3)).

The credit points achieved in the language modules "German as a Foreign Language" are not included in the 90 CP from the subject-specific modules.

### **IV) Registration of the Bachelor's thesis**

Prerequisites for applying for a Bachelor's thesis topic are

- successful completion of the practical semester, consisting of the practical internship and the lectures for the practical internship, and
- the achievement of 180 CPs (SPO Section 8 (1)).

A basic overview of the modules, their number of credit points (CP) and when they are offered during the degree can be found in Chapter 11 of the module plan.

### 3 Appendix to the SPO for the degree programme International Bachelor of Wood Technology

The appendix to the SPO presents the modules and their module parts. It applies to all students starting their studies from summer semester 2024 in the International Bachelor of Wood Technology programme.

#### 1. Sprachliche Studiengrundlagen

*Language study basics*

Modul Nr. No	Modulbezeichnung Modules	SWS Hours per week	Leistungs- punkte ECTS	Art der Lehrver- anstaltung 1) Type of course	Prüfungen Examination 1) 2)		Ergänzende Re- gelungen 1) Supplementary regulations
					Art u. Dauer in Minuten Type and Duration	ZV	
IWT 01	Deutsch B1.1 <i>German B1.1</i>	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 <i>German B1.2</i>	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 <i>German B2.1</i>	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 <i>German B2.2</i>	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 <i>Technical German 1</i>	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 <i>Technical German 2</i>	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. No	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 Examination 1) 2)		Ergänzende Regelungen 1) <i>Supplementary regulations</i>
					Art u. Dauer in Minuten <i>Type and Duration</i>	ZV	
IWT 03	Mathematik 1 <i>Mathematics 1</i>	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 <i>Engineering Mechanics 1: Statics</i>	4	5	SU, Ü	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min		
IWT 05	Fertigungstechnik Holz <i>Manufacturing Engineer- ing of Wood Based Prod- ucts</i>	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 <i>Material Science of Wood and Wood Based Prod- ucts</i>	4	5	SU, Ü, Pr	schrP 60-180 oder/or PStA 2-15 Wo oder/or eIP 20-180 min		
IWT 13	Holzphysik und Holzanat- omie <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 %
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 Ma- chine 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>Basics 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 Pol- ymers</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 Examination 1) 2)		Ergänzende Regelungen 1) <i>Supplementary regulations</i>
					Art u. Dauer in Minuten	ZV	
IWT-HT	Module des Studiengangs Holztechnik HT-B HT31 bis HT36 HT41 bis HT45 HT61 bis HT65 HT71 bis HT72  <i>Modules of 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 Phase

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 Examination 1) 2)		Ergänzende Regelungen 1) <i>Supplementary regulations</i>
					Art u. Dauer in Minuten	ZV	
SP	Praxisphase <i>Practical Internship</i>	-	25				
IWT- PVL	Modulgruppe Praxis- begleitende Lehrver- anstaltung <i>Lecture for Practical Internship</i>	2	5	SU, Ü, Ex	PB, SV		
		2	30				

Footnotes to the Tables 1., 2., 3., and 4. above:

- 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. Explanation of abbreviations (*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 Courses</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>
eIP	= elektronische Prüfung <i>electronical examination</i>
prP	= praktische Prüfung <i>practical examination</i>
mE	= mit Erfolg abgelegt <i>pass</i>
P	= Prüfungen <i>exams</i>
PA	= Projektarbeit <i>project work</i>
PB	= Praxisbericht <i>practice report</i>
Pr	= Praktikum <i>work experience</i>
S	= Seminar <i>seminar</i>
SV	= Seminarvortrag <i>seminar presentation</i>
TN	= Teilnahmenachweis <i>attendance certification</i>

The theoretical modules of the core subjects are identical to those of the Bachelor of Wood Technology HT-B. IWT students and HT-B students attend the same courses and take the same exams. For this reason, the table "3. Module Hauptstudium" refers to the modules

- HT31 to HT36,
- HT41 to HT45,
- HT61 to HT65 and
- HT71 to HT73

in the Holztechnik (Wood Technology) degree programme. These module designations refer to the SPO dated 14.08.2023 for the Bachelor's degree programme in Holztechnik (Wood Technology).

The following pages contain the relevant excerpt from the corresponding appendix to the SPO for the Bachelor's degree programme in Holztechnik (Wood Technology) (SPO for the HT-B degree programme dated 14.08.2023). The modules and their components described therein applies to all students starting their studies from summer semester 2024 in the International Bachelor of Wood Technology programme.

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## Theoretical semesters

Modul Nr.	Modulbezeichnung	SWS	Leistungs- punkte CP	Art der Lehr- veranstaltung 1)	Prüfungen 1) 2)		Ergänzende Regelungen 1)
					Art u. Dauer in Minuten	ZV	
HT31	Grundlagen der Produktentwicklung und Konstruktion – CAD	5	5	(SU, Ü, S)	schrP 60-180	Pr mE	
HT32	Massivholzverarbeitung und Holz Trocknung	5	5	(SU, Ü, Pr, S)	schrP 60-180	Pr mE	
HT33	Grundlagen Betriebswirtschaftslehre und Kreislaufwirtschaft	5	5	(SU, Ü, S)	schrP 60-180 or PStA 2-15 Where		
HT34	Informations- und Elektrotechnik	5	5	(SU, Ü, Pr, S)	schrP 60-180 or eIP 20-180 PStA 2-15 Where	Pr mE	6) schrP/eIP 0,5 PStA 0.5
HT35	Nachhaltige Energie- und Gebäudetechnik	5	5	(SU, Ü, Pr, S)	schrP 60-180	Pr mE	
HT36	Holzbearbeitungsmaschinen	5	5	(SU, Ü, Pr, S)	schrP 60-180	Pr mE	7) MTP 5%
HT41	Möbelkonstruktion	5	5	(SU, Ü, Pr, S)	schrP 60-180 or mdIP 15-45	Pr mE	
HT42	Holzbaukonstruktion, Bauelemente, Holzbaufertigung	5	5	(SU, Ü, Pr, S)	schrP 60-180 PStA 2-15 Where	Pr mE	6) SchrP 0.6 PStA 0.4
HT43	Strategisches Produktmanagement	5	5	(SU, Ü, S)	schrP 60-180 or PStA 2-15 Where		7) MTP 5%
HT44	Produktionsoptimierung – Lean Management	5	5	(SU, Ü, Pr, S)	schrP 60-180 PStA 2-15 Where		6) SchrP 0.8 7) MTP 3% 6) PStA 0.2
HT45	Oberflächentechnik – Kleb- und Presstechnik	5	5	(SU, Ü, Pr, S)	schrP 60-180	Pr mE	
HT61	Projektseminar: technische, strategische Produktentwicklung	3	5	(SU, Ü, S)	PA	Pr mE	
HT62	Finanzplanung und Controlling	5	5	(SU, Ü, S)	schrP 60-180 or PStA 2-15 Where		
HT63	Holzwerkstofftechnik und Fabrikplanung	5	5	(SU, Ü, Pr, S)	schrP 60-180	Pr mE	
HT64	Nachhaltigkeitsbewertung und Umweltschutz	5	5	(SU, Ü, S)	schrP 60-180 or mdIP 15-45 PStA 2-15 Where		6) SchrP/mdIP 0,6 PStA 0.4
HT65	Fertigungskonzepte und Produktionsautomatisierung	5	5	(SU, Ü, Pr, S)	schrP 60-180 or mdIP 15-45 PStA 2-15 Where	Pr mE	6) SchrP/mdIP 0,6 PStA 0.4

HT71	Project seminar: Corporate planning and development	4	8	(SU, Ü, S)	PA		3, 4)
HT72	Digital process and Resource planning - ERP	5	5	(SU, Ü, Pr, S)	schrP 60-180 PStA 2-15 Where		6) SchrP 0.8 7) MTP 3% 6) PStA 0.2
HT73	In-depth elective block: Specialised scientific Compulsory elective modules	15	15	(SU, Ü, Pr, S)	P		4, 5)

Footnotes to the table "Theoretical semesters":

- 1) Further details are regulated by the Faculty Council in the plan of study.
- 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 6 (4) are prerequisites for passing.
- 4) Details will be announced with the examination announcement at the beginning of the semester.
- 5) The catalogue of compulsory elective modules is decided by the Faculty Council for each semester in accordance with Section 5 and published in the plan of study at the beginning of each semester.
- 6) Weighting of the individual certificates of achievement when calculating the final module grade.
- 7) Mid-term examinations (Midterm-Prüfungen, MTP): Additional examinations may be taken on a voluntary basis, which contribute to the module grade according to the specified weighting. Further details are given in the plan of study.

## 4 Examinations

The type and scope of the examinations in the compulsory and elective modules are governed by the current version of the Study and Examination Regulations (SPO) for the International Bachelor of Wood Technology, published by the Examination Office.

The mandatory examination requirements and examination format(s) and regulations for each module, as well as the graded components, their respective weighting and the participation requirements, are decided each semester by the HTB Faculty Council. This information is published by the Examinations Office each semester.

The SPO and the information published by the Examinations Office specify the requirements that have to be fulfilled in order to sit the individual examinations. For example, the successful completion of an internship or successful completion of a laboratory may be a prerequisite for admission to the written examination. Similarly, passing a written examination may be a prerequisite for admission to an examination in a subsequent module.

If the examination for a module consists of several component examinations, the overall grade is calculated as the arithmetic mean of the individual grades, weighted according to the information published about the graded components for the module, whereby each component examination must be passed with at least a passing grade. The overall grade of the Bachelor's degree is also calculated as the arithmetic mean of the individual grades.

### Thesis defense

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. (SPO Section 8 (5)).

### Re-examination

Any retake of an examination must be taken by the end of the semester following the semester in which the examination was failed ("following semester"), otherwise the examination will be deemed to have been failed. If the examination can only be completed by attending a course which, according to the plan of study, does not take place in the following semester, the examination must be retaken by the end of the semester thereafter (i.e. two semesters after the semester in which the examination was failed), otherwise it will be deemed to have been failed. A third retake is not permitted. Each component examination counts as one examination.

(General examination regulations/Allgemeine Prüfungsordnung APO from 09.08.2023)

### Registration for the exams

Students are responsible for registering on time and in the correct form for the examinations they wish to take in the relevant semester. It is not possible to sit an examination without registering in advance. This also applies to examinations for which there is a deadline. For example, in the International Bachelor of Wood Technology degree programme, certain examinations must be taken for the first time by the end of the third semester according to Section 4 (2) of the SPO (see also chapter 2). However, this does not mean that students are automatically registered for these examinations at the end of the second semester. If students have not registered for these examinations, they cannot take them. If this is the case, then the examinations will be considered to have been taken for the first time and will be considered to have been failed unless the students can give credible reasons for missing the deadline for which they are not responsible.

Students are also responsible for registering for repeat examinations in due time and form. If students are unable to take a repeat examination because they were not registered for the examination, the examination will be graded as "failed".

Further information on registration and admission to examinations, including information on the procedure and deadlines, can be found on the website of the Examinations Office at <https://www.th-rosenheim.de/en/studies-and-further-education/during-studies/study-organisation/examinations>.

## 5 Modules

### Important notes on the following tables

The mandatory requirements and examination format(s) and regulations given are for guidance only. At the beginning of each semester the Examinations Office will publish these with more detailed information about the duration of examinations and the permitted aids. This information published by the Examinations office is then binding for the semester. All other regulations of the Examinations Office must also be observed, e.g. deadlines for registering for examinations.

As not all of the modules listed are offered every semester, it may happen that modules are not offered in the semesters where they are listed.

Explanation of abbreviations:

BA	=	Bachelorarbeit
ECTS	=	European Credit Transfer and Accumulation System (Kreditpunkte)
eIP	=	elektronische Prüfung
Ex	=	Exkursion
FWPM	=	Fachbezogenes Wahlpflichtmodul
h	=	Stunden
HT	=	Studiengang Holztechnik
LN	=	Leistungsnachweis
mdIP	=	mündliche Prüfung
MTP	=	Midterm-Prüfungen
NN	=	Nomen nominandum (der Name ist noch zu benennen)
P	=	Prüfungen
PA	=	Projektarbeit
PB	=	Praxisbericht
PLV	=	Praxisbegleitende Lehrveranstaltungen
Pr	=	Praktikum
Pr mE	=	Praktikum mit Erfolg abgelegt
PStA	=	Prüfungsstudienarbeit
S	=	Seminar
schrP	=	schriftliche Prüfung
SoSe	=	Sommersemester
SPO	=	Studienprüfungsordnung
SU	=	Seminaristischer Unterricht
SV	=	Seminarvortrag
SWS	=	Semesterwochenstunden
TN	=	Teilnahmenachweis
Ü	=	Übung
WiSe	=	Wintersemester

## 5.1 Engineering Foundation Courses

**Remark:**

- Courses in the second semester usually do not take place in the summer semester (greyed out below), and
- Courses in the first semester usually do not take place in the winter semester.

As the curriculum of the SPO of 01.08.2023 will be implemented for the first time in the summer semester 2024, courses and repeat exams from higher semesters will not be offered (courses from higher semesters are therefore greyed out).

### 1st semester

No.	Designation	SWS	CP	LN	Examination
IWT 01	German B1.1 <i>German B1.1</i>	4	5		PStA
IWT 02	German B1.2 <i>German B1.2</i>	4	5		schrP or eIP
IWT 03	Mathematics 1 <i>Mathematics 1*</i>	5	5		schrP or eIP or PStA
IWT 04	Engineering Mechanics 1: Statics <i>Engineering Mechanics 1: Statics*</i>	4	5		schrP or eIP or PStA
IWT 05	Wood production technology <i>Manufacturing Engineering of Wood Based Products*</i>	5	5	Pr:TN	schrP oder eIP oder PStA
IWT 06	Materials science wood and wood-based materials <i>Material Science of Wood and Wood Based Products*</i>	4	5	Pr:TN	schrP oder eIP oder PStA
	Total	26	30		

\*: Language of instruction English

### 2nd semester

No.	Designation	SWS	CP	LN	Examination
IWT 11	German B2.1 <i>German B2.1</i>	4	5		PStA
IWT 12	German B2.2 <i>German B2.2</i>	4	5		schrP or eIP
IWT 13	Wood physics and wood anatomy <i>Wood Physics and Wood Anatomy</i>	4/1Ü	5	Pr mE	schrP
IWT 14	Physics <i>Physics*</i>	5	5		schrP or eIP or PStA
IWT 15	Basics of chemistry <i>Basic Chemistry*</i>	4	5		schrP
IWT 16	Metallic materials and machine elements <i>Metallic Materials and Machine Elements</i>	4/1Ü	5		schrP
	Total	27	30		



\*: Language of instruction English

### 3rd semester

No.	Designation	SWS	CP	LN	Examination
IWT 21	Technical German 1 <i>Technical German 1</i>	4	5		PStA
IWT 22	Technical German 2 <i>Technical German 2</i>	4	5		schrP or eIP
IWT 23	Basics of building physics <i>Basics Building Physics</i>	3/2Pr	5	Pr mE	schrP
IWT 24	Engineering Mathematics <i>Engineering Mathematics</i>	4/1Ü	5		schrP
IWT 25	Machinery and IT basics <i>Machine Engineering and IT Basics</i>	4/1Ü	5		schrP
IWT 26	Wood chemistry and polymers <i>Wood Chemistry and Polymers</i>	4/1Pr	5	Pr mE	schrP
	Total	28	30		

## 5.2 Wood Technology Core Courses

### Remark:

As the curriculum for the International Bachelor of Wood Technology will be implemented for the first time in the summer semester 2024 according to the SPO of 01.08.2023, the courses of the fourth to eighth semester will not take place yet (greyed out below). The corresponding examinations and repeat examinations will also not be offered.

### 4th semester

No.	Designation	SWS	CP	LN	Examination
HT 31	Fundamentals of product development and design - CAD <i>Basics of Product Development, Design and Engineering - CAD</i>	3/2Ü	5	Pr mE	schrP
HT 32	Solid wood processing and wood drying <i>Solid Wood Processing and Wood Drying</i>	4/1Pr	5	Pr mE	schrP
HT 33	Fundamentals of business administration and circular economy <i>Basics Business Administration and Circular Economy</i>	4/1S	5		schrP
HT 34	Information technology and electrical engineering <i>Computer and Electrical Engineering</i>	4/1Ü	5	Pr mE	schrP
HT 35	Sustainable energy and building technology <i>Sustainable Energy and Building Technology</i>	4/1Pr	5	Pr mE	schrP
HT 36	Woodworking machines <i>Woodworking Machinery</i>	4/1Pr	5	Pr mE	schrP
	Total	30	30		

### 5th semester

No.	Designation	SWS	CP	LN	Examination
HT 41	Furniture construction <i>Furniture Design and Engineering</i>	3/2Ü	5	Pr mE	schrP
HT 42	Timber construction, building elements, timber construction production Timber Construction and Pre-Manufacturing Engineering	4/1Pr	5	Pr mE	PStA
HT 43	Strategic product management <i>Strategic Product Management</i>	3/2Ü	5		schrP
HT 44	Production optimisation - lean management <i>Production Optimisation - Lean Manufacturing</i>	4/1Ü	5		schrP/PStA
HT 45	Surface technology - Bonding and pressing technology <i>Surface Technology - Adhesive and Pressing Technology</i>	4/1Pr	5	Pr mE	schrP
HT 73	Specialisation elective block: Specialist elective modules <i>Advanced Electives 1</i>	5	5		P
	Total	30	30		

### 6th semester (internship semester)

No.	Designation	SWS	CP	LN	Examination
IWT-PVL	Practical courses <i>Lecture for Practical Internship</i>	2	5		PB, SV
SP	Practical phase <i>Practical Internship</i>	-	25		
	Total	2	30		

### 7th semester

No.	Designation	SWS	CP	LN	Examination
HT 61	Project seminar: technical, strategic product development <i>Technical and Strategic Product Development</i>	3	5	Pr mE	PA
HT 62	Financial planning and controlling <i>Finance and Controlling</i>	3/2Ü	5		schrP
HT 63	Wood-based materials technology and factory planning <i>Wood-Based Panel Technology and Factory Planning</i>	4/1Pr	5	Pr mE	schrP
HT 64	Sustainability assessment and environmental protection <i>Sustainability Assessment and Environmental Protection</i>	4/1Ü	5		schrP/PStA
HT 65	Manufacturing concepts and production automation <i>Concepts in Manufacturing and Production Automation</i>	4/1Pr	5	Pr mE	schrP/PStA
HT 73	Specialisation elective block: Specialist elective modules <i>Advanced Electives 2</i>	5	5		P
	Total	28	30		

### 8th semester

No.	Designation	SWS	CP	LN	Examination
HT 71	Project seminar: Corporate planning and development <i>Project Seminar: Corporate Planning and Development</i>	4	8		PA
HT 72	Digital process and resource planning - ERP <i>Digital Process and Resource Planning - ERP</i>	3/2Pr	5		schrP/PStA
HT 73	Specialisation elective block: Specialist elective modules <i>Advanced Electives 3</i>	5	5		P
BA	Bachelor thesis <i>Bachelor's Thesis</i>	-	12		BA

### **5.3 General science compulsory elective modules (Allgemeinwissen- schaftliche Wahlpflichtmodule, AWPM)**

The International Bachelor of Wood Technology programme does not require any compulsory AWPMs. However, AWPMs can be attended on a voluntary basis. These are offered by the Faculty of Applied Natural Sciences and Humanities (ANG). The current list of AWPMs offered in the respective semester can be found at

<https://www.th-rosenheim.de/en/studies-and-further-education/during-studies/courses-programmes-and-additional-offers/general-electives-and-compulsory-electives-aw-wpm/general-electives-aw-awpm> .

There is no guarantee that all AWPMs will be offered for selection and that the corresponding courses will be held if there are not enough participants.

## **5.4 Subject-specific compulsory elective module (Fachwissenschaftliche Wahlpflichtmodule, FWPM)**

International Bachelor of Wood Technology programme requires 15 CPs of FWPMs. Due to the prerequisite prior knowledge, FWPMs should only be taken from the fourth semester.

The first modules registered with the Examinations Office will be counted in chronological order until the required number of 15 CP is reached or exceeded for the first time. Additional modules may be included in the degree as electives.

The FWPM can be selected from the FWPM catalogue of the Bachelor of Wood Technology. The programme is adapted each semester to meet current needs. There is no guarantee that all FWPMs will be offered. Similarly, there is no entitlement to FWPMs being offered if the number of participants is insufficient. There may be some overlap with compulsory electives or with compulsory lectures.

As the plan of study and associated courses of the SPO of 1 August 2023 will be implemented for the first time in the summer semester 2024, the courses of the second to the eighth semester will not take place. Therefore, no compulsory elective modules will be offered.

## **6 Module descriptions in the degree programme International Bachelor of Wood Technology**

The current module descriptions can be found in the module handbook at <https://www.th-rosenheim.de/en/studies-and-further-education/during-studies/study-organisation/study-regulations/study-and-examination-regulations-and-curriculae>.

## 7 Required prior work experience

Students who start their studies in the summer semester 2024 or later must provide evidence of prior work experience. A practical semester takes place in the sixth semester. The regulations for the prior work experience are described in section 7.1, the regulations for the internship semester in section 7.2.

### 7.1 Regulations for prior work experience

#### 7.1.1 Goal of prior work experience

A required amount of work experience in wood technology and mechanical engineering is a prerequisite for successful study in the International Bachelor of Wood Technology programme. This provides an initial experience with wood as a material, how it can be used and general experience of wood technology and mechanical engineering. The aim is to prepare students for the course content so that they can better understand the purpose of the courses in the programme.

The programme requires at least ten weeks of prior work experience. This must be completed before the start of the programme or, at the latest, by the end of the fourth semester. Students who do not fulfil the prior work experience requirement must therefore provide evidence of practical work experience in the form of internships during their studies by the end of the fourth semester. According to the study and examination regulations, students are only entitled to enter the practical semester if they have provided evidence of prior work experience and have earned at least 90 CP in the subject-specific modules as defined in Appendices 2 and 3 of the SPO. Note that credits earned in the language modules "German as a foreign language" are not included in the 90 CP requirements.

Prior work experience is particularly important for students who have little experience in wood technology or mechanical engineering. Students with relevant experience or professional qualifications training may be exempted from certain parts of the prior work experience.

#### 7.1.2 Requirements for the prior work experience

##### 7.1.2.1 Duration of the prior work experience

The duration of the prior work experience is ten weeks and includes the following activities:

- Six weeks of wood technology (woodworking and wood processing)
- Two of the six weeks can be demonstrated by successful participation in the machine course at the Rosenheim Technical University of Applied Sciences in order to learn the safe use of woodworking machines
- Four weeks of mechanical engineering

The prior work experience can be completed in parts, with each part lasting at least four consecutive weeks.

##### 7.1.2.2 Timing of the prior work experience

Prior work experience should be completed before the start of the programme. If the required work experience cannot be demonstrated at the start of the programme, the work experience must be completed during the lecture-free periods of the programme and demonstrated by the end of the

fourth semester at the latest. Proof of prior work experience is a prerequisite for admission to the practical semester (sixth semester). Without the prior work experience, participation in the practical semester is not permitted.

### 7.1.2.3 Content of the prior work experience

If there is no exemption due to previous training, work experience, internships or similar, the prior work experience must be completed in two blocks:

	Training part	Training content
4 weeks	<b>Mechanical engineering</b>	Machine technology for metal processing, production and assembly of metal parts and machine elements, construction, manufacture, installation, maintenance or automation of machines
6 weeks	<p><b>Wood processing</b> (joinery, furniture production, interior fittings)</p> <p>and / or</p> <p><b>Woodworking</b> (sawmill, wood-based materials industry, solid wood processing, carpentry)</p> <p>Special feature: Proof of two of the six weeks by the <b>Machine Course</b> (in the University's carpentry workshop)</p>	<p>Basics of wood processing, construction and manufacture of furniture, manufacture and assembly of wood products</p> <p>Fundamentals of solid wood processing and sawmill technology, production of wood-based materials, construction, production and assembly of building elements, use of wood in construction</p> <p>Basics of wood processing, safe working on carpentry machines, obtaining machine licences</p>

### 7.1.2.4 Relevant companies for the prior work experience

In general, companies with industrial production facilities are suitable.

**Mechanical engineering:** all mechanical engineering companies with their own construction department, preferably mechanical engineers who build and do the construction for woodworking machinery; also engineering companies that do the construction for or install machinery.

**Woodworking:** larger or versatile joineries, interior decorators, preferably industrial furniture manufacturers and their suppliers.

**Wood processing:** larger sawmills with further processing, manufacturers of wood products for construction and interior finishing, carpentry shops, wood-based panel manufacturers and companies for the further processing of wood panels

### 7.1.3 Proof of Completion

The prior work experience can be recognised if the following evidence is provided:

- signed contract
- weekly training records
- certificate

A training contract must be concluded with the training company in accordance with the template provided by the Internship Office.



The forms to be used can be found on the website of the Internship Office of the University, <https://www.th-rosenheim.de/en/studies-and-further-education/during-studies/study-organisation/internship-semester-and-pre-practical>,

or can be obtained from the Internship Office. Three copies must be signed by the student and the company and submitted to the Internship Office. After the documents have been checked and approved, students will receive two signed copies back from the University.

The company must confirm the successful completion of the prior work experience by signing the certificate form. For their own documents, students are advised to obtain an official certificate from the company.

The prior work experience will be considered to have been successfully completed if the above-mentioned documents have been submitted to the Internship Office and have been deemed as “sufficient” by the Internship Office.

#### 7.1.4 Recognition of prior work experience

Previous experience such as a degree or certificate from a technical branch of a vocational school, vocational training, previous internships or many years of practical work can be credited to the periods of required prior work experience.

For this purpose, **the student is responsible for submitting** a request for recognition of previous work experience to the Internship Office by the end of the first semester.

After applying for recognition, students will be notified by the Internship Office of the remaining periods of prior work experience to be completed and the number of reports to be completed.

Students' previous training and experience will be assessed on a case-by-case basis. The following guidelines apply.

For students with a completed apprenticeship, the remaining prior work experience to be completed is:

Carpenter / Joiner	4 weeks mechanical engineering
FOS / BOS	6 weeks woodworking and wood processing

As partial proof applies:

- Apprenticeship certificate
- FOS / BOS, technical secondary school or comparable qualifications
- official internship or work certificate (duration, work content, assessment)

## 7.1.5 Prerequisites and conditions for the prior work experience

### 7.1.5.1 Prior work experience in mechanical engineering

- The prior work experience must always be completed in an industrial mechanical engineering company. Ideally, the machines or elements manufactured should be related to woodworking or wood processing.
- The main focus is on the practical consolidation of knowledge in the areas of machine elements, metal materials science, energy technology and automation technology.
- The optimum solution is experience in the areas of construction, production and assembly of a machine part.

Topic areas:

Examples of topics (not exhaustive):

Machine elements:

- Manufacture of a machine part (drawing, possibly construction, description of the work steps)
- Recalculation of a machine part (with drawing)
- Assembly / repair of an assembly, e.g. bearing replacement (drawing, sketch, photo, description of work steps)

Materials science for metal:

- Illustration of the heat treatment for a component, e.g. hardening (drawing)
- Welding, e.g. brief description of a welding process using a component (with drawing or sketch)
- Illustration of the surface treatment of a component, e.g. galvanising, painting (drawing, photos)

Energy technology:

- Description of the filtration system for a company (also including woodworking and wood processing companies; drawing, sketch, photo)
- Description of the compressed air system for a company (a construction site compressor is not a system in this sense; drawing, sketch, photo)
- Description of the heating system for a production site (also including woodworking and wood processing companies; drawing, sketch, photo)
- Description of the sprinkler system for a company (also including woodworking and wood processing companies; drawing, sketch, photo)

Automation technology:

- Creating a control system for a system, a machine (process sketch, photo, program)
- Description of the visualisation for operating and monitoring a machine, plant or similar installation.
- Analysing a production process and designing an automation system

### 7.1.5.2 Prior work experience in wood processing and woodworking

A total of six weeks of prior work experience must be completed in woodworking companies (furniture production, interior construction, etc.) and/or in wood processing companies (production of sawn timber, production or further processing of wood-based materials, timber construction, production of building elements, etc.). Two of the six weeks can be completed during the semester by successfully completing the machine course in the University's carpentry workshop.

Examples of topics (not exhaustive):

- Production processes in the manufacture of a piece of furniture / component (detailed description of the process with sketches or photos, personal assessment and discussion of possible improvements)
- Detailed construction solution (e.g. What corner joints are available and why were they chosen?)
- Surface treatment (Which treatments give which effects, what to look out for)
- Woodworking (What tools and cutting angles etc. are used for working with timber/solid wood, are they optimal?)
- Production preparation/organisation (How are orders processed, where do delays or communication problems occur?)
- Material flow and logistics (How is the material flow organised, how is it captured and recorded and how is it tracked, where are there flow problems and what are the search times?)
- Wood bonding (Which adhesives are used? Are they handled properly?)

## 7.2 Practical semester for the International Bachelor of Wood Technology programme

### 7.2.1 Goal and content of the practical semester

#### 7.2.1.1 Objective of the practical semester

The practical semester gives students their first experience working as an engineer. Students should gain an insight into engineering tasks by working on a specific assignment and collaborating with colleague in the company to complete the task.

The following **skills** are required and should be developed during the practical semester:

- Identifying problems and finding solutions independently
- Suggesting an implementation plan for the solution, including technical, organisational and business aspects
- Prompt and optimal implementation of technical or organisational solutions
- Simple evaluation of the success of the solution

In addition, students should gain insight and **knowledge** in the following areas:

- Manufacturing processes and the operation of machines and systems
- Process organisation and personnel management
- Monitoring and optimisation of production and/or business processes
- Process analysis and the importance product quality, material flow and logistics performance

#### 7.2.1.2 Content of the practical semester

The following **tasks** can be considered, for example, for the practical semester for the International Bachelor of Wood Technology programme:

- Improving material efficiency or machine performance
- Improving product or process quality
- Product or equipment design
- Conveyance and storage technology
- Material flow and logistics
- Automation technology, control technology
- Improving the efficiency of production
- Production organisation and work preparation
- Environmental and product certification
- Quality assurance and management, auditing

These are examples only; the tasks are usually specified by the companies. Students should work on real and specific projects and tasks during the practical semester.

### 7.2.1.3 Companies

As a rule, the practical semester should take place in companies that work with or process wood, or with their machinery suppliers in the logistics chain, as well as in institutes or planning offices in the wood industry.

Companies which can offer a wide range of industrial tasks are particularly suitable for the practical semester. Examples include

- Furniture manufacturers
- Parquet and laminate flooring manufacturers
- Window and door manufacturers
- Wood-based materials manufacturers
- Woodworking machinery manufacturers
- Sawmills with further wood processing functions
- Manufacturers of wood components, wood products or wood packaging materials
- Timber and raw wood traders with additional processing stages
- Wood industry planning and consulting firms
- Wood research institutes

Any questions or uncertainties regarding the content of the training or the companies must be clarified by the student with the Practical Semester Coordinator.

## 7.2.2 Practical semester plan

### 7.2.2.1 Duration of the practical semester

The practical semester lasts 20 weeks and is divided into

- two weeks of lectures for the practical internship and
- 18-week internship in a company.

### 7.2.2.2 Internship

The 18-week internship takes place in the sixth semester of study. Only students who have earned the necessary credit points in their regular degree programme and have completed and provided proof of all parts of the prior work experience may begin the practical semester. Further details can be found in the current study and examination regulations.

The objectives and content are explained in section 7.2.1.

### 7.2.2.3 Lectures for the practical internship

The lectures for the practical internship are comprised of an introductory block and a one-week excursion in the fifth semester and a final block in the seventh semester.

The **introductory block** in the fifth semester serves as preparation for the internship. Participation in the introductory block is mandatory and a prerequisite for the internship.

The following topics are covered in the introductory block:

- Application, behaviour and insurance during the practical semester
- Preparation of scientific reports
- Teamwork and facilitation
- Production management
- Production optimisation

This is complemented by company presentations on the topics of personnel, leadership and motivation.

The exact selection of topics is made each semester and is announced by the internship coordinator, as are the dates of the seminars.

In the **final block** at the beginning of the seventh semester, students present their work from the internship semester. The technical report is also reviewed and assessed at this time. The final block is intended to be an exchange of experiences, guidance and counselling on practical work and a discussion of the topics which were worked on during the internship.

## 7.2.3 Proof of internship completion

In order for the internship to be recognized, the following are required:

- Valid contract
- Certificate for the internship, signed by the company
- Evaluation of the technical report with a minimum grade of "sufficient"
- Evaluation of the presentation in the final block with a minimum grade of "sufficient"

An internship contract must be signed with the company providing the internship using the form provided by the Internship Office.

The forms to be used can be found on the website of the University Internship Office, <https://www.th-rosenheim.de/en/studies-and-further-education/during-studies/study-organisation/internship-semester-and-pre-practical>,

or can be obtained from the Internship Office. Three copies must be signed by the student and the company and submitted to the Internship Office. After checking, students will receive two signed copies back from the University. When this is completed, then the internship semester can begin.

The company confirms the successful completion of the internship with the completion and signing the form provided by Rosenheim Technical University the company certifies the successful completion of the internship. Students are advised to obtain an official certificate of completion for their records.

### **Technical report**

Students are required to write a technical report on the internship (see 7.2.4 'Notes for the preparation of the technical report').

## **Presentation**

In the final block, the students present their experiences after the internship in the form of a 15-minute presentation.

The final block takes place in the first week of the seventh semester, usually on the first Friday of the semester. The exact dates and the division of the groups of lecturers will be announced by the practical semester coordinator. Students must plan their internship so as to be able to attend the final block.

The presentation should give a brief overview of the company and a more detailed account of the experience gained. Students should present the projects in which they have been involved. Normally, the topics covered in the technical report will be elaborated on.

Particular attention should be paid to the following points:

- Clear and logical structure of the presentation
- Support of the lecture by presentation software, video projector, examples etc.
- Adherence to the presentation time of 15 minutes

The presentation can be in English or German.

## **7.2.4 Notes for the preparation of the technical report**

### **7.2.4.1 Submission of the report**

The report must be submitted to the Internship Office by the deadline specified in the schedule of the Internship Office. Address:

Rosenheim Technical University of Applied Sciences  
Praktikantenamt  
Hochschulstr. 1  
83024 Rosenheim

The submission deadline will also be announced in the introductory block of the lectures for the practical internship and handed out with the other documents. Exceeding the deadline is not permitted.

### **7.2.4.2 General form and organisation of the report**

A report of approximately 30 pages is normally required. As an alternative, two partial reports of at least 15 pages each can be submitted if several smaller topics have been worked on during the internship. Partial reports are to be stapled separately (divider) and included in the portfolio with a "Cover sheet for partial reports (HT/IAB/HA/IWT) on internship". A formal layout and correct spelling of the report based on DIN 5008 is required.

In a labelled folder, A4 format,

1. signed form "Ausbildungszeugnis" (Training Program Certificate)
2. signed form "Praktikantenzeugnis - Vordruck für die Praktikantenstelle - englische Version" (Internship Evaluation Report)

should be inserted.



### 7.2.4.3 Content of the report

In the report, students should describe the solution to a specific task.

The report must show that the task(s) was(were) fulfilled by independent, engineering work.

The **title** on the cover sheet must clearly indicate which task(s) has(have) been completed.

The following structure is recommended, starting with a **brief introduction of the company** on a maximum of two pages:

1. **Objectives**  
Precise description of the task, definition of the objectives
2. **Preparatory work or planning**  
Research and evaluation of literature, standards, etc., determination of the relevant influencing variables and parameters
3. **Fulfilment of the task or experiment**  
Description of the execution, changes from plan or anomalies
4. **Result**  
Objective description of the results, presentation of the influences of the parameters on the target value
5. **Evaluation of the results**  
Evaluation of the results (including personal findings), conclusions
6. **Outlook and suggestions for improvement**  
Suggestions for improving and continuing the task

The report must be submitted to the company for review and countersignature in time to meet the deadline for submission to the Internship Office.

## 8 Bachelor's thesis in the degree programme International Bachelor of Wood Technology

### General regulations for the Bachelor's thesis

In the Bachelor's thesis, students should demonstrate their ability to apply the knowledge and skills acquired during their studies to complex tasks in an independent, practice-orientated scientific paper.

The Bachelor's thesis must be completed and submitted by the end of the degree period. The thesis can be written in German or English. A summary in German and English must be included.

### Registration of the Bachelor thesis

Professor Dr. Harald Larbig is a member of the Faculty Examination Committee and is responsible for theses in the International Bachelor of Wood Technology degree programme. He is also available to students as a contact person for formal questions related to the bachelor thesis (registration, deadlines, etc.).

The bachelor's thesis can be registered at the earliest after the successful completion of the practical semester, consisting of the internship and the lectures for the practical internship, as well as the achievement of 180 CP. The thesis topic is proposed by the student or selected from a range of topics offered by the professors directly. The work can be carried out internally at the University or externally with the participation of a company or institute outside the University.

To register the Bachelor's thesis, the online form "Application for the Issue of the Thesis' Topic" must be completed. The form can be found on the website <https://www.th-rosenheim.de/en/studies-and-further-education/during-studies/study-organisation/theses>.

The following information must be provided when registering for the Bachelor's thesis:

1. Application for the Issue of the Thesis' Topic
  - Type of thesis (Bachelor's, Master's)
  - Applicant details
  - Thesis topic
  - Preferred first and second examiner
2. Application / Permission to publish / Retention period
3. Request to perform the thesis work outside the University
  - Details of the company / institute if the thesis will be carried out outside the University

Only if the thesis is to be submitted to an external company outside the University must the student download the application as a PDF, print it out, submit it to the company for signature and then hand it in paper form to the Examinations Office. Otherwise the application is paperless.

The form "Application for the Issue of the Thesis' Topic" also contains "Legal formalities of the thesis", which must be observed, in particular if the dissertation is to be written at an external company. Generally, when writing a thesis in a company or institute, a bilateral contract should be concluded between the student and the company, which regulates insurance, confidentiality, industrial property rights and remuneration. In order to be able to submit the application for the issue of a thesis topic, it is necessary to read and accept this legal information.

As long as the "Application for the Issue of the Thesis' Topic" has not been approved by the Faculty Examination Committee, the application can be revised or deleted by the student in the portal.

**Important note:** The thesis topic must be worded exactly in the thesis as it is given in the application for the issue of a thesis' topic. If the wording of the thesis is changed even slightly, the Examination Office will not accept the thesis. Additionally, if the thesis topic changes after the application for a thesis topic has already been approved by the Examination Office, the student must submit an "Application for a Change of Topic" to the Examination Office. Examination Office will only accept this request for decision if it is approved in a statement by both examiners. The request is submitted by the student via an online form in the same portal where the topic change was requested and is also paperless.

### **Examiners for the Bachelor thesis**

The examiners for an undergraduate dissertation must normally be applied for by the student before registering the thesis. In the case that the topic is given by a professor, then at least one of the examiners is usually already given.

The thesis is assessed and marked by two examiners. At least one of the two examiners must be a full-time professor at the Faculty of Wood Technology and Construction at Rosenheim Technical University of Applied Sciences.

### **Submission of the Bachelor thesis**

The Bachelor's thesis must be submitted to the Examinations Office within a maximum of five months of the date of the approved application for the issue of the thesis' topic. The exact deadline is indicated in the e-mail notification of the approved topic request.

An extension of the deadline is only possible in valid, exceptional cases for which the student is not responsible. The application is also paperless, using an online form in the same portal in which the topic was applied for.

The scope and form of the documents to be submitted are regulated by the Examination Office. Currently the following applies: The completed dissertation must be uploaded to the Document Management System for Dissertations (DMS) via the University's website in the form of a single pdf file. In addition, a printed copy must be given to the examiners, who must declare this when agreeing to be appointed as examiners. The time at which the file is uploaded to the DMS is decisive for compliance with the submission deadline. (Section 24 (6) point 3 APO from 09.08.2023).

In order to include the thesis in the library collection, the "Data entry form" must be completed, which can also be found in the online form portal, when submitting the thesis.

## **Defence and evaluation of the Bachelor's thesis**

The Bachelor's thesis must be presented and defended orally within 30 minutes. The provisions of the General Examination Regulations apply accordingly to the defence. The presentation and defence are also included in the assessment of the thesis. The Bachelor's thesis is assessed by both examiners. The overall assessment of the Bachelor's thesis is the arithmetic mean of the assessments of the two examiners.

## **Further information and forms for the Bachelor's thesis**

Detailed information on writing a bachelor thesis, including information on topic selection, content and formal requirements, has been compiled in a guide. You can find the "Guidelines for writing a bachelor thesis" together with other forms for the bachelor thesis on the website of the Wood Technology programme at

<https://www.th-rosenheim.de/en/studies-and-further-education/courses-of-study/bachelors-degree-programmes/wood-technology>.

## **9 Document management**

The documents and forms mentioned in the study plan can be found on the homepage of Rosenheim Technical University of Applied Sciences from

<https://www.th-rosenheim.de/en/studies-and-further-education/during-studies/study-organisation/study-regulations>

can be viewed and downloaded.

## 10 Contact person for the degree programme International Bachelor of Wood Technology

The following contacts are available for any enquiries.

Name	Area of Responsibility	E-mail	Tele- phone (08031-)	Room
Elisabeth Korn	Faculty Secretariat for Wood Technology and Con- struction HTB	elisabeth.korn @th-rosenheim.de	805-2300	S(A) 2.18
Prof Dr Holly Ott	Head of degree programme IWT IWT Student Counsellor International Studies Coor- dinator (HT, IAB, IPB, IWT) Women's Representative of the Faculty	holly.ott @th-rosenheim.de	805-2340	S(C) 2.72
Prof Torsten Leps	Prior Work Experience Co- ordinator	torsten.leps @th-rosenheim.de	805-2337	S(A) 2.27
Prof Andreas Heinzmann	Practical Semester Coordi- nator	andreas.heinzmann @th-rosenheim.de	805-2308	S(C) 2.72
Prof Dr Harald Larbig	Bachelor theses HTB Examination Commit- tee	harald.larbig @th-rosenheim.de	805-2328	A 1.08
Prof Dr Michael Schaal	Chairman of the Examination Committeef	michael.schaal @th-rosenheim.de	805-2321	S(C) 2.63
Florian Heinrich	Central Student Advisory Service	studienberatung@th- rosenheim.de	805-2495	A 2.21

# 11 Module plan of the degree programme International Bachelor of Wood Technology

## International Bachelor of Wood Technology SPO 2024

CREDIT POINTS (CP)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Mathematics 1*		Engineering Mechanics 1: Statics*			Manufacturing Engineering of Wood Based Products*			Material Science of Wood and Wood Based Products*			German B1.1			German B1.2			30												
2	Physics*		Basic Chemistry*			Wood Physics and Wood Anatomy			Metallic Materials and Machine Elements			German B2.1			German B2.2			30												
3	Basics Building Physics		Wood Chemistry and Polymers			Engineering Mathematics			Machine Engineering and IT Basics			Technical German 1			Technical German 2			30												
4	Basics of Product Development, Design and Engineering – CAD		Solid Wood Processing and Wood Drying			Basics Business Administration and Circular Economy			Computer and Electrical Engineering			Sustainable Energy and Building Technology			Woodworking Machinery			30												
5	Furniture Design and Engineering		Timber Construction and Pre-Manufacturing Engineering			Strategic Product Management			Production Optimisation – Lean Manufacturing			Surface Technology – Adhesive and Pressing Technology			Advanced Electives			30												
6	Practical Internship																												30	
7	Project Seminar: Technical and Strategic Product Development		Finance and Controlling			Wood-Based Panel Technology and Factory Planning			Sustainability Assessment and Environmental Protection			Concepts in Manufacturing and Production Automation			Advanced Electives			30												
8	Project Seminar: Corporate Planning and Development			Digital Process and Resource Planning – ERP			Bachelor's Thesis												Advanced Electives			30								

\* in English

Gesamt 240 CP

 Basics of Mathematics and Sciences	 Technical Product Development	 Business Administration and Organisation	 Project Seminar	 Foreign language
 Sustainability, Digitalisation, Machine Technology	 Material Science	 Electives	 Production & Manufacturing Engineering	