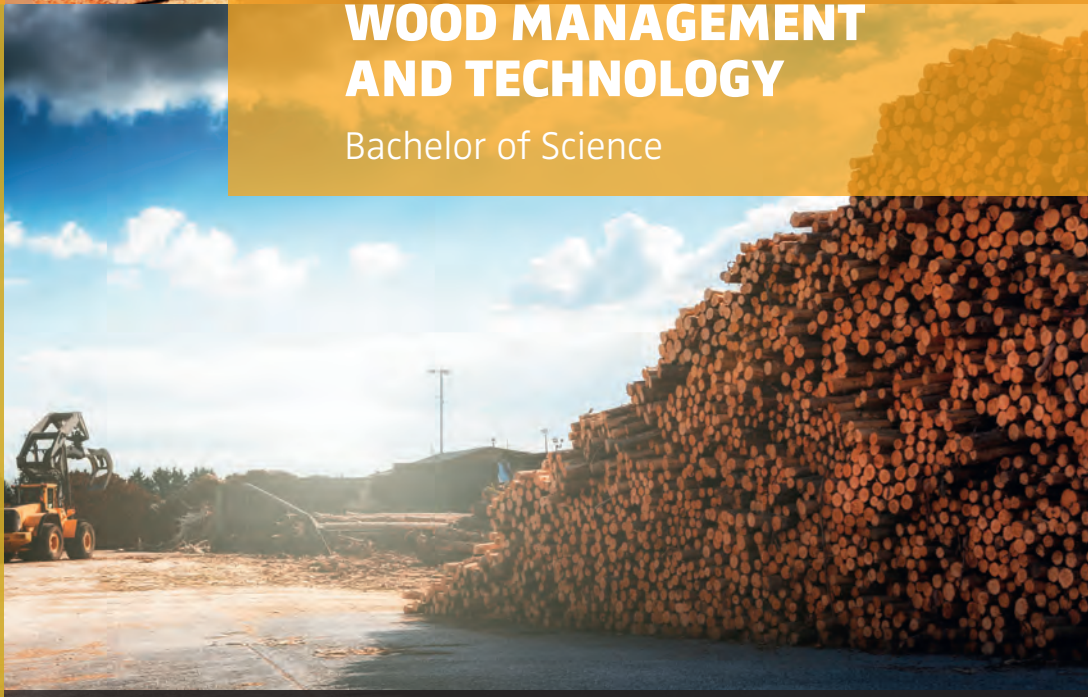
WOOD MANAGEMENT AND TECHNOLOGY

Bachelor of Science



Hochschule für Forstwirtschaft Rottenburg
University of Applied Sciences

Real close. Far ahead.

„EXZELLENZHOCHSCHULE“
Stifterverband
für die Deutsche Wissenschaft

5x OFFIZIELLES
PROJEKT DER
WELTDEKADE
2006 - 2014

Learning for the needs of tomorrow!

With nearly 1,100 students, the University of Applied Forest Sciences (HFR) is a small but future-oriented University of Applied Sciences. The curricula are based on employment-related fields of the future.

In its courses, the university develops cross-sectoral solutions in the fields of forest management, timber industry, nature and environmental protection, landscape planning, water management, sustainable regional management, resource-efficient building and renewable energies. These programmes focuse on transferring knowledge and skills for the material and energetic use of renewable resources and responsible use of scarce resources.

Graduates have excellent employment prospects.

The HFR was awarded UNESCO prizes every year from 2006 to 2014 for their forward looking educational offer. It is thus one of 16 institutions from over 1,800 award-winning projects. It also won the university competition ‘‘Excellence strategies’’, organised for small and medium universities by the German science foundation.

Sustainability as a theme

Within the country, HFR is among the universities with the clearest training and research profiles due to its consistent orientation of all programmes towards the principle of sustainability. It prepares the students for their professional career with a comprehensive academic education (key skills and expertise).

As a result, the application-oriented combination of research and teaching forms a solid unit. HFR offers 5 Bachelor’s and 3 Master’s programmes.

The university maintains close contacts with numerous partner universities in many European countries and worldwide. These collaborations primarily serve international student exchange.

The clear layout of the university and its historic campus ensures a familial atmosphere and short walking distances. This allows students to be advised individually, which significantly contributes to more pleasant and effective studies. The location surrounded by forest and orchards offers many opportunities for outdoor teaching events.

‘‘With us, knowledge and expertise on sustainability is acquired through individual studying.’’

PROFESSOR DR. DR. H.C. BASTIAN KAISER, RECTOR

“A university education for the future”

Study Wood Management and Technology – make wood your modern raw and building material.

Wood is indispensable as a renewable raw and building material. Wood is one of the oldest versatile raw materials in the world. Its economic use potential is enormous. From the economic and labour market-policy point of view, the timber industry is one of Germany’s most productive economic performers.
The timber industry focuses on resource-efficient and economical use of the raw material wood. A variety of actors such as the timber trade, the timber industry and wood crafts use the raw wood according to their individual product range and company philosophy.
They use this raw material in different qualities to be able to offer a variety of end products - ranging from niche to mass products. To remain competitive and future-capable, the timber industry is constantly striving to optimise the value chain of their raw material in the triad of economy, ecology and technology.

Wood has proven its future viability by means of its specific material properties and the correlating wide variety of uses, as well as by its excellent ecological profile.

Through sustainable management and use, wood is a CO_2-neutral raw material. Thus, finite and fossil raw materials are preserved or replaced by the use of wood products.

Especially the use of domestic wood species from sustainable forestry is becoming ever more important due to its increasing demand. Therefore, it is necessary to continuously increase the value of this material with various finishing processes. Different products can, for example, be obtained from one single cubic metre of wood during its entire life cycle with the so-called cascade use (wood - furniture - wood materials - wood for combustion).

Relevant for practice. Close to nature.

The programme places particular emphasis on high practical relevance. Numerous excursions and field exercises provide insights into future career fields. Project work and group projects go beyond the subject content to transfer social skills that are essential for the profession. Our motto ''From practice - for practice'' is reflected in the practical curricula of our university professors and external training instructors from business and industry.

Personal initiative and methodological diversity for seminar design are a given for us. Business operation visits, practical exercises, project and group work are at the core of our training philosophy. Particularly the integrated internship at home or abroad as well as the integrative project in the sixth semester enables practical application of the knowledge acquired within the studies. Students can make initial contact with future employers or find topics for bachelor theses.

The knowledge acquired during the programme enables graduates to take the unique properties of wood into account in the product development phase. It also enables them to meet the special challenges of this modern raw and building material and to achieve the highest product quality.

In addition to the regular timetable, you can add an individual edge to your profile with attractive electives and additional qualifications (carpentry/cabinet-making course (TSM), chainsaw course, training for structural engineering consultant, languages, conflict mediation).

Programme overview

1st sem.	BASIC PROGRAMME Systematic teaching of broad basic knowledge
2nd sem.	
3rd sem.	MAIN PROGRAMME PART 1
4th sem.	
5th sem.	INTERNSHIP
6th sem.	MAIN PROGRAMME PART 2 Bachelor thesis
7th sem.	
	BACHELOR OF SCIENCE (B.Sc.)

One excursion took students to the Europa Park in Rust (opened in 2012) with its 1,050 m wooden roller coaster which runs with more than 100 km/h and a maximum vertical acceleration of up to 3.5 G.

You have great development opportunities here.

The course aims to provide methods and expertise along the entire value chain of the raw material wood - from the tree to the finished product - and is unique in its application-oriented bandwidth.

Studying Wood Management and Technology in Rottenburg means technical and didactic excellence, value chain oriented thinking and acting, practical teaching and research, versatile excursions and skills training, personal attention as well as modern teaching and research institutions.

Many career opportunities

A B.Sc. degree in Wood Management and Technology offers you a variety of interesting career opportunities:

- Carpentry and wood construction
- Pulp and paper industry
- Timber trade
- Prefabricated housing
- Planning and consulting
- Non-governmental organisations and ministries

After successfully obtaining a Bachelor's degree, there is a chance to gain further qualification in the university's own Master's degree programme for Resource-efficient Building.

10 REASONS

for Wood Management and Technology in Rottenburg

- Business-oriented course
- High practical relevance
- Individual advice
- Personal atmosphere
- Close to practising partners
- Wide-ranging international contacts
- High research intensity
- State-of-the-art equipment
- Good career prospects
- Great networking in the region

Image: Cultural Office Rottenburg am Neckar, Dept. city archives and museums

Rottenburg - loveable and liveable

Buildings spanning styles from eight centuries make up the cityscape of the idyllic town on the Neckar river (e.g. medieval and gothic churches or baroque chapels).

A variety of traces dating right back to Roman times bear witness to an interesting past. At carnival time, things get a bit crazy in the city and every year there is a temptingly interesting range of cultural events offered.

Rottenburg offers attractive and affordable living space, with plenty of shopping opportunities and a good range of recreational activities.

Its location halfway between Stuttgart and Lake Constance, between the Black Forest and the Swabian Alb, as well as good transport links to the motorway make Rottenburg an ideal starting point for trips into the region, both close by and further afield.

The state capital is only 50 km away, and the university town of Tübingen is 12 km away. Both towns are easily accessible by train.

Further information on Rottenburg at:
www.rottenburg.de

In Rottenburg, it is easy to find a suitable room. There are plenty of shared student houses and affordable rooms in dormitories just minutes away from the university.

Getting started

Study programme information day

Twice a year, there is a programme information day at the university. Students and prospective students have the opportunity to attend lectures on the programmes, to participate in a tour of the campus and to talk to professors and students.
The dates are on our website.

Access to higher education

There are several ways leading to a degree at the University of Rottenburg: from the general university entrance exam to professional qualifications.
For more information, consult our website.

Application process

Programmes start in the winter semester. The deadline for applications is July 15th (late applications will not be accepted). The application can be filled out online starting in the middle of April each year. Detailed information can be found on our website.

To apply for a student place at any university in Baden-Württemberg, a certificate of participation in an orientation test is required. (www.was-studiere-ich.de)

www.hs-rottenburg.de

Do you have any questions about the programme?

Prof. Ludger Dederich
Head of studies

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Fax +49 7472/951-200
e-mail bsc.holzwirtschaft@hs-rottenburg.de

Do you have any questions about applying?

Silke Lippert
General student advice

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Further programmes:

Bachelor of Science

- Forest Management
- Sustainable Regional Management
- Renewable Energies
- Water Resource Management

Master of Science

- Forest Management
- Resource-efficient Building
- SENCE (Sustainable Energy Competence)

University collaborations

UNIVERSITÄT HOHENHEIM

EBERHARD KARLS UNIVERSITÄT TÜBINGEN

Hochschulregion Tübingen Hohenheim

Hochschule Ulm
University of Applied Sciences

Hochschule Esslingen
University of Applied Sciences

Hogeschool VHL
University of Applied Sciences

Hochschule für Technik Stuttgart