



Bern University
of Applied Sciences

Module Schedule MSc Wood Technology Part-Time – Specialisation CTS

- Core Modules
20 CP
- Specialisation Modules CTS
(Complex Timber Structures)
30 CP
- Electives
10 CP required
- Preparatory Courses
CP as defined upon acceptance
- Master Thesis
30 CP

Study year A (Autumn 23) and B (Autumn 24)
alternating sequence of modules.

Lectures take place on two days
a week: study year A Monday / Tuesday and
study year B Thursday / Friday.

Preparatory courses take place
on Wednesdays.

Study Year A
Semester 1

**Fiber Reinforced
Composites**

5 CP

Scientific Methods

5 CP

BIM

3 CP

RFEM/RSTAB Basics 1 CP

Math CAD 1 CP

CLT 1 CP

PC Wood Science

3 CP

PC CAD-Work

2 CP

PC Timber Engineering

6 CP

PC Project Timber Structures

5 CP

Study Year A
Semester 2

**Specialisation Project:
Multi-Storey Timber &
Hybrid Structures**

- Assessment and Retrofitting
- Case Study Multi-Storey
Timber & Hybrid Structures
- Earthquake & Design

15 CP

Excursion

2 CP

**Innovations in
Wood Technology**

3 CP

Study Year B
Semester 3

**Finite Element
Method**

5 CP

Leadership and Communication

5 CP

RFEM/RSTAB Basics 1 CP

RFEM/RSTAB Advanced 1 CP

Math CAD 1 CP

Rhino & Grasshopper 1 CP

Study Year B
Semester 4

**Specialisation Project:
Complex Timber Structures**

- Data Management for
Timber Engineers
- Case Study Complex
Timber Structures
- Freeform & Shell Structures

15 CP

Additional Electives

- R&D Project
- Special Week
- Language Course
- CAS Brandschutz
- Modules at other
Engineering Schools

5 CP

Semester 5

Master Thesis

30 CP

Additional Electives

- R&D Project
- Special Week
- Language Course
- CAS Brandschutz
- Modules at other
Engineering Schools

5 CP

Semester 6

Additional Electives

- R&D Project
- Special Week
- Language Course
- CAS Brandschutz
- Modules at other
Engineering Schools

5 CP