



Bern University
of Applied Sciences

Module Schedule MSc Wood Technology Part-Time – Specialisation CTS

Study Year A Semester 1	Study Year A Semester 2	Study Year B Semester 3	Study Year B Semester 4	Semester 5	Semester 6
Fiber Reinforced Composites 5 CP	Specialisation Project: Multi-Storey Timber & Hybrid Structures – Assessment and Retrofitting – Case Study Multi-Storey Timber & Hybrid Structures – Earthquake & Design 15 CP	Finite Element Method 5 CP	Specialisation Project: Complex Timber Structures – Data Management for Timber Engineers – Case Study Complex Timber Structures – Freeform & Shell Structures 15 CP	Master Thesis 30 CP	
Scientific Methods 5 CP		Leadership and Communication 5 CP			
BIM 3 CP		RFEM/RSTAB Basics 1 CP			
RFEM/RSTAB Basics 1 CP		RFEM/RSTAB Advanced 1 CP			
Math CAD 1 CP		Math CAD 1 CP			
Math CAD 1 CP		Rhino & Grasshopper 1 CP			
CLT 1 CP		Excursion 2 CP			
PC Wood Science 3 CP		Innovations in Wood Technology 3 CP			
PC CAD-Work 2 CP					
PC Timber Engineering 6 CP					
PC Project Timber Structures 5 CP		Additional Electives – R&D Project – Special Week – Language Course – CAS Brandschutz – Modules at other Engineering Schools 5 CP	Additional Electives – R&D Project – Special Week – Language Course – CAS Brandschutz – Modules at other Engineering Schools 5 CP	Additional Electives – R&D Project – Special Week – Language Course – CAS Brandschutz – Modules at other Engineering Schools 5 CP	

- 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.