



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