

Semester 1 30 Credit Points	Module BIWO-01 Building Materials		8 cr	mandatory		
	Module BIWO-02 Continuum Mechanics, Tensor Calculus		8 cr			
	Module BIWO-03 Energy Methods, FEM		8 cr			
	Module BIWO-04 Numerical Methods		4 cr			
	Module BIWO-05 Mentoring Study Competence		2 cr			
Semester 2 30 Credit Points	Module BIWE-01 Design of Concrete Structures	4 cr	Module BIWE-09 Computational Dynamics	4 cr	select 28 (7x4) cr	select 7 from BIWE-01 – BIWE-14
	Module BIWE-02 Form Finding of Lightweight Structures	4 cr	Module BIWE-10 Modelling and Simulation in Pavement Engineering	4 cr		
	Module BIWE-03 Timber and Lightweight Structures	4 cr	Module BIWE-11 Cable-Stayed Bridges	4 cr		
	Module BIWE-05 Structural Use of Glass	4 cr	Module BIWE-12 Safety Concepts	4 cr		
	Module BIWE-07 Computational Building Physics	4 cr	Module BIWE-13 BIM-based Virtual Engineering Lab	4 cr		
	Module BIWE-08 Multiscale Mechanics	4 cr	Module BIWE-14 Constitutive Modelling of Soils	4 cr		
	Module BIWO-06 Mentoring Methodological Competence		2 cr			
Semester 3 30 Credit Points	Module BIWO-07 Application of Computational Methods in Engineering		6 cr		mandatory	
	Module BIWO-08 Project Work		24 cr			
Semester 4 30 Credit Points	Master´s Thesis with Colloquium		30 cr		mandatory	

Master of Science