

Equivalence Regulations for the Master's degree program Advanced Computational and Civil Engineering

Relevant study documents: For students starting in the 2022/23 winter semester or later (official announcement dated August 17, 2022 as well as 1st amendment to the Study Regulations (official announcement dated March 7, 2025).

It applies to all **newly enrolled** students in the 2025/2026 winter semester and to **all** students enrolled in the Master's program Advanced Computational and Civil Engineering Structural Studies – ACCESS from the 2026/2027 winter semester onwards. Voluntary transfer is possible.

Decision of the Examination Committee dated: July 14, 2025

Voluntary transfer to the new Study and Examination Regulations will be made on request as of October 1, 2025. Mandatory transfer will be in effect for all students as of October 1, 2026.

Abbreviations

Module no. CP	Module number Credit points
------------------	--------------------------------

Equivalence table (equivalence of modules): The transfer of grades is carried out ex officio for passed modules

Direct transfer of the module:
If the old module has been passed, the new module will adopt the previous module grade (ex officio).

Module no. (old)	Module name (old)	CP (old)	Module no. (new)	Module name (new)	CP (new)	Note
BIW-MA-AC-O-06	Building Information Modeling: Methods and Concepts	5	BIW-MA-AC-O-06	Building Information Modeling: Methods and Concepts	5	Only change to the graded academic work, otherwise no differences

Identical module: the old module is equivalent to the new module

Module no. (old)	Module name (old)	CP (old)	Module no. (new)	Module name (new)	CP (new)	Note
BIW-MA-AC-O-01	Building Materials	8	BIW-MA-AC-O-01	Building Materials	8	Transfer of examination attempts
BIW-MA-AC-O-02	Continuum Mechanics, Tensor Calculus	8	BIW-MA-AC-O-02	Continuum Mechanics, Tensor Calculus	8	Transfer of examination attempts
BIW-MA-AC-O-03	Energy methods, Finite Element Method	8	BIW-MA-AC-O-03	Energy methods, Finite Element Method	8	Transfer of examination attempts
BIW-MA-AC-O-04	Numerical Methods	5	BIW-MA-AC-O-04	Numerical Methods	5	Transfer of examination attempts

BIW-MA-AC-O-05	Mentoring Program for Study Skills	5	BIW-MA-AC-O-05	Mentoring Program for Study Skills	5	Transfer of examination attempts
BIW-MA-AC-O-07	Application of Computational Engineering Methods	5	BIW-MA-AC-O-07	Application of Computational Engineering Methods	5	Transfer of examination attempts
BIW-MA-AC-O-08	ACCESS Application-oriented Science Project	15	BIW-MA-AC-O-08	ACCESS Application-oriented Science Project	15	Transfer of examination attempts
BIW-MA-AC-O-09	Presentation of application-oriented science project ACCESS	6	BIW-MA-AC-O-09	Presentation of application-oriented science project ACCESS	6	Transfer of examination attempts
BIW-MA-AC-E-01	Dimensioning of Reinforced Concrete Structures	5	BIW-MA-AC-E-01	Dimensioning of Reinforced Concrete Structures	5	Transfer of examination attempts
BIW-MA-AC-E-02	Form Finding of Lightweight Planar Load-Bearing Structural Elements	5	BIW-MA-AC-E-02	Form Finding of Lightweight Planar Load-Bearing Structural Elements	5	Transfer of examination attempts
BIW-MA-AC-E-03	Wooden and Framing Structures	5	BIW-MA-AC-E-03	Wooden and Framing Structures	5	Transfer of examination attempts
BIW-MA-AC-E-04	Soil Constitutive Models	5	BIW-MA-AC-E-04	Soil Constitutive Models	5	Transfer of examination attempts
BIW-MA-AC-E-05	Glass Structures	5	BIW-MA-AC-E-05	Glass Structures	5	Transfer of examination attempts
BIW-MA-AC-E-06	Safety Concepts	5	BIW-MA-AC-E-06	Safety Concepts	5	Transfer of examination attempts
BIW-MA-AC-E-07	Building Engineering Physics	5	BIW-MA-AC-E-07	Building Engineering Physics	5	Transfer of examination attempts
BIW-MA-AC-E-08	Multiscale Methods	5	BIW-MA-AC-E-08	Multiscale Methods	5	Transfer of examination attempts
BIW-MA-AC-E-09	Numerical Dynamics	5	BIW-MA-AC-E-09	Numerical Dynamics	5	Transfer of examination attempts
BIW-MA-AC-E-10	Modeling and Simulation of Road Pavements	5	BIW-MA-AC-E-10	Modeling and Simulation of Road Pavements	5	Transfer of examination attempts
BIW-MA-AC-E-11	Bridge Design	5	BIW-MA-AC-E-11	Bridge Design	5	Transfer of examination attempts
BIW-MA-AC-E-12	Zero Carbon Building Design Using BIM and Digital Twins	5	BIW-MA-AC-E-12	Zero Carbon Building Design Using BIM and Digital Twins	5	Transfer of examination attempts

Master's Thesis identical						
Master's Thesis		25	Master's Thesis		25	Transfer of examination attempts
Colloquium		5	Colloquium		5	Transfer of examination attempts

