

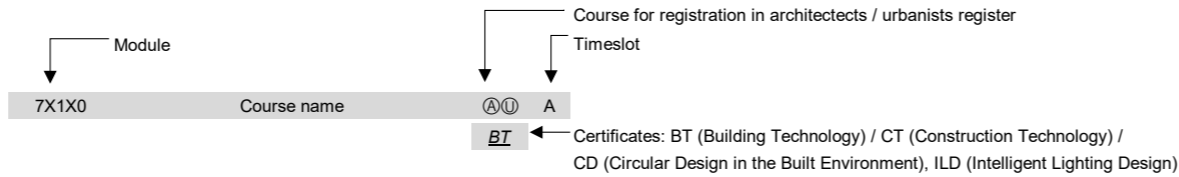
# Course overview ABP and CME 2024-2025

For the ABP-tracks SUMT and SMDSA see separate overviews

Version: 21-03-2024

Core course
Specialization elective
Elective
Graduation project

All courses are worth 5 ECTS, unless indicated otherwise  
Courses with a \* are given every quarter



Program	Course ID	Course Name	Prerequisites	Credits	Grading	Quarter					
						1	2	3	4		
ABP	C15-S30-E30-G45	7QX5M0 Seminar urbanism and architecture *	A, U	A	7QX5M0 Seminar urbanism and architecture *	A, U	A	7QX5M0 Seminar urbanism and architecture *	A, U	A	
		7QX1M0 Masterproject 1 architecture (10 ECTS)	A	DC	7QX2M0 Masterproject 2 architecture (10 ECTS)	A	DC	7QX5M0 Seminar urbanism and architecture *	A, U	DC	
		7QW1M0 Masterproject 1 urbanism (10 ECTS)	U	DC	7QW2M0 Masterproject 2 urbanism (10 ECTS)	U	DC	7QW3M0 Urban planet	U	E	
		7XW1M0 Combined masterstudio Architecture and Urban Design (10 ECTS)	A, U	DC	7XW1M0 Combined masterstudio Architecture and Urban Design (10 ECTS)	A, U	DC	7XW1M0 Combined masterstudio Architecture and Urban Design (10 ECTS)	A, U	DC	
					7XX9M0 Urban trends and strategies	U	A				
					7QX3M0 Architectural engineering	A	D				
					7QW5M0 Research in urbanism and architecture II	A, U	E				
					7LS3M0 Sustainable buildings/physical aspects of building materials	A		7LS9M0 Heat, air and moisture transfer / CFD1	BC		
					7LY3M0 Building performance and energy systems simulation	C		7LS8M0 Architectural acoustics	D		
					7LS0M0 BPS masterproject design (10 ECTS)	X		7LS0M0 BPS masterproject design (10 ECTS)	X		
			7LS1M0 BPS masterproject A, research (10 ECTS)	X		7LS1M0 BPS masterproject A, research (10 ECTS)	X				
			7LS2M0 BPS masterproject B, research (10 ECTS)	X		7LS2M0 BPS masterproject B, research (10 ECTS)	X				
			7LY5M0 Data science for Intelligent buildings	B		7LL7M0 Capita selecta lighting technology					
								7LY7M0 Techniques in architectural acoustics	D		
SED	C25-S30-E20-G45	7KP4M0 Advanced concrete structures	DE		7KP3M0 Advanced steel and aluminum structures	E		7KP7M0 Stability of structures	A		
		7PP5M0 Resource efficient SED	A		7KT4M0 Digital design & manufacturing (2.5 ECTS)	B		7KS2M0 Design project high rise building (10 ECTS)		C	
		7KP2M0 Design project large span structures (10 ECTS)		C				7KP1M0 Research project (10 ECTS)		X	
		7KP1M0 Research project (10 ECTS)						7KT1M0 Structural design, capita selecta	B		
		7KT8M0 Finite element method 2 - nonlinear and multi-scale simulations	B		7KK1M0 Geotechnics, soil mechanics and structural dynamics	A		7KT9M0 Structural design with glass (2,5 EC)	D		
		7PP4M0 Advanced timber structures	B								
					7ZU3M0 Managing place and property	C		7ZW7M0 Urban research methods	C		
					7ZU4M0 Econometric analysis of housing markets	B		7ZM8M0 Collaborative design	A		
					7ZM1M0 Research and development project (10 ECTS)	AC		7ZM1M0 Research and development project (10 ECTS)	B		
					7ZU1M0 Housing portfolio management (10 ECTS)	A		7ZU2M0 Redevelopment of problem areas (10 ECTS)	B		
						7ZW1M0 Big data for urban & transportation analysis/project (10 ECTS)	E				
						7U772 Corporate real estate and workplace strategy	D				
CME	C30-S35-E15-G40	7ZZ9M0 Design science methodology and systems engineering	B		1CM900 Project management (2.5 ECTS)	C		7ZM8M0 Collaborative design	A		
		7ZM3M0 Case study process modeling of construction projects (2.5 ECTS)	D		7M900 Fundamentals of BIM	E				7ZM5M0 Process modeling and information management	D
		7ZZ6M0 Legal & governance aspects	X					7ZM1M0 Research and development project (10 ECTS)	B		
		7ZM1M0 Research and development project (10 ECTS)	AC					7ZW1M0 Big data for urban & transportation analysis/project (10 ECTS)	E		
		7ZW3M0 Urban planning II	U	E	1ZM120 Entrepreneurial marketing	B		7ZW7M0 Urban research methods	C		
		7RC100 Inner city modular high rise	E					7ZM7M0 Parametric design	CT	A	
		7XC1M0 Circularity in the Built Environment	A					7KP8M0 Smart Building Methodology and Technology	C		
		1ZM20 Technology entrepreneurship	E								
					7LL1M0 Sports and building aerodynamics	A		7KP8M0 Smart building methodology & technology	BT	C	
					7QX1M0 Architectural expression ◊*	A	B3	7LY8M0 Smart cities ◊	E		
All programs		7QX3M0 Arts and architecture ◊	E		7QX7M0 Architectural analysis ◊	A	A	7QX1M0 Architectural expression ◊*	A	B3	
		7QW7M0 Theory and practice of the public domain	U	E	7KS3M0 Practical assignment "Bouwkundewinkel" *	X		7QX2M0 Constructing architecture	A	D	
		7QX8M0 Urban form ◊	U	E	7QW8M0 The built-up heritage over time	A	U	A	7QX3M0 Arts and architecture ◊	E	
		7RC100 Inner-city modular high-rise	CT	E	7ZW6M0 History of housing and cities	D			7QX6M0 Architecture and philosophy	A	B
		7XX4M0 The thinking eye ◊	D					7QX8M0 Urban form ◊	U	E	
		7XC1M0 Circularity in the built environment	CD	A				7KS3M0 Practical assignment "Bouwkundewinkel" *	X		
		7KS3M0 Practical assignment "Bouwkundewinkel" *	X					7XC2M0 Circularity research a/o design project (10 ECTS)			
								7CBL1M0 Challenge based learning-smart cities (10 ECTS)	CD	A	

7_AWE0	Internship academic work experience (AUDE: 7QAW0, BPS: 7SAWE0, SED: 7KAW0, USRE/CME: 7ZAW0)	15 ECTS
7_RWE0	Internship relevant work experience (AUDE: 7QRWE0, BPS: 7SRWE0, SED: 7KRWE0, USRE/CME: 7ZRWE0)	5 ECTS
7QQ5M0	International academic workshop	5 ECTS
7_45M0	Graduation Project (AUDE A: 7X45M0, AUDE UD: 7W45M0, BPS: 7S45M0, SED: 7K45M0, USRE: 7Z45M0)	You can start a graduation project every quarter 45 ECTS
7X60M0	Graduation Project AUDE A+UD	You can start in Q1 and Q3 60 ECTS
7CC40	Graduation Project CME	You can start a graduation project every quarter 40 ECTS

◊ Course with a maximum number of students that can participate. More details via Osiris Course Catalogue.