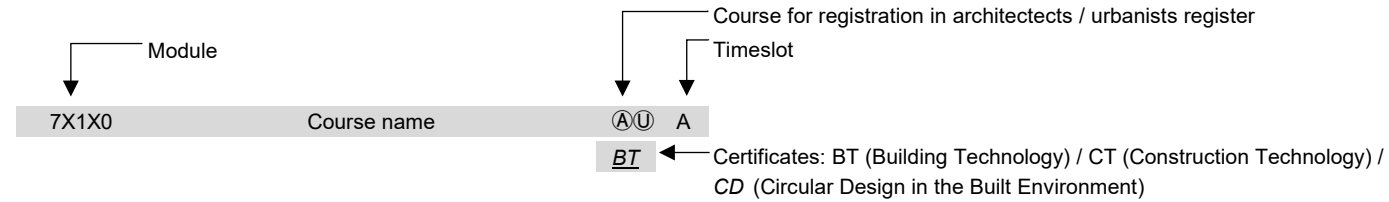


Master programs ABP and CME 2020-2021

Version: 08-12-2020
For the latest version, check educationguide.tue.nl/gs/abp

Core course
Specialization elective
Elective
Graduation project



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

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	
ABP	AUDE C15-S30-E30-G45	7QX5M0 Seminar Urbanism and Architecture * (A)U A 7QW6M0 Architectural and Urban Theory (A)U B 7QX1M0 M1 project Architecture (10 ECTS) 7QW1M0 M1 project Urbanism (10 ECTS) 7XW1M0 Combination project Architecture/Urbanism (10 ECTS)	7QX5M0 Seminar Urbanism and Architecture * (A)U A 7QW5M0 Research in Urbanism and Architecture (A)U B (A) DC (U) DC (A)U DC (U) A (A) D	7QX5M0 Seminar Urbanism and Architecture * (A)U A 7QX2M0 M2 project Architecture (10 ECTS) 7QW2M0 M2 project Urbanism (10 ECTS) 7XW1M0 Combination project Architecture/Urbanism (10 ECTS)	7QX5M0 Seminar Urbanism and Architecture * (A)U A (A) DC (U) DC (A)U DC (A) B (U) D
	BPS C30-S30-E15-G45	7LS3M0 Sustainable buildings / Physical aspects ... A 7LY3M0 Building Perf. And Energy Systems Simulation C 7LS0M0 BPS masterproject design (10 ECTS) 7LS1M0 BPS masterproject A, research (10 ECTS) 7LS2M0 BPS masterproject B, research (10 ECTS) 7LY5M0 Intelligent Buildings B	7S880 Lighting Technology C 7LY6M0 Materials Panorama A X X X	7LS9M0 Heat, Air & Moisture Transfer/CFD 1 BC 7LS8M0 Architectural Acoustics D 7LS0M0 BPS masterproject design (10 ECTS) 7LS1M0 BPS masterproject A, research (10 ECTS) 7LS2M0 BPS masterproject B, research (10 ECTS) 7LL7M0 C.S. Lighting Technology	7LY4M0 Building Services and Fire safety B 7LS6M0 Heat, Air & Moisture Transfer/CFD 2 E X X X A D
	SED C25-S30-E20-G45	7KP4M0 Advanced Concrete Structures DE 7PP5M0 Resource Efficient Structural Design A 7KP2M0 Design Project Large Span Structures (10 ECTS) 7KP1M0 Research project (10 ECTS) 7KT7M0 Finite Element Method, non-linear (2.5 ECTS) B 7PP3M0 Timber structures (2.5 ECTS) B	7KP3M0 Advanced Steel and Aluminium Structures E 7KT1M0 Structural Design, capita selecta B C X A	7KP6M0 Energy and finite element methods E 7KS2M0 Design project High Rise Building (10 ECTS) 7KP2M0 Design Project Large Span Structures (10 ECTS) 7KP1M0 Research project (10 ECTS) 7KK1M0 Geotechnics, Soil Mechanics, Seismic A	7KP7M0 Stability of Structures A A C X D
	USRE C25-S30-E20-G45	7ZW3M0 Urban Planning II (U) E 7ZU4M0 Housing Markets and Strategies B 7ZZ9M0 Design Science Methodology and Systems Eng. B 7ZM1M0 Project: Research and Development Project (10 ECTS) 7ZU1M0 Project: Housing Portfolio: Assets & Risks (10 ECTS)	7ZU3M0 Managing Place and Property C 7ZW5M0 Smart Urban Environments D 7M900 Fundamentals of BIM E AC A	7ZW7M0 Urban Research Methods C 7ZM8M0 Collaborative Design A 7ZM1M0 Project: Research and Development Project (10 ECTS) 7ZU2M0 Project: Redevelopment of Problem Areas (10 ECTS) 7ZW1M0 Project: Big Data for Urban Analysis (10 ECTS) 7U772 Corporate Real Estate Strategy D 7ZM7M0 Parametric Design (CT) A	7ZW4M0 Built Environment and Smart Mobility (U) C 7ZM5M0 Process Modeling and Information Management D B B E
CME C30-S35-E15-G40	7ZZ9M0 Design Science Methodology and Systems Eng. B 7ZM3M0 Case Study Process Modeling (2.5 ECTS) D 7ZZ6M0 Legal & Governance Aspects X 7ZM1M0 Project: Research and Development Project (10 ECTS) 7ZW3M0 Urban Planning II (U) E	1CM900 Project management (2.5 ECTS) C 7ZW5M0 Smart Urban Environments D 7M900 Fundamentals of BIM E AC D B	7ZM8M0 Collaborative Design A 1ZM65 System Dynamics D 7ZM1M0 Project: Research and Development Project (10 ECTS) 7ZW1M0 Project: Big Data for Urban Analysis (10 ECTS) 7ZW7M0 Urban Research Methods C 7ZM7M0 Parametric Design (CT) A	7ZM5M0 Process Modeling and Information Management D 7ZW4M0 Built Environment and Smart Mobility (U) C B E	
All programs	7KS1M0 Masterproject Building Technology (BT) AC 7QQ1M0 Architectural Expression * (A) B 7QQ3M0 Arts and architecture E 7QW7M0 Theory and practice of the public domain (U) E 7QW8M0 The Built-up Heritage over Time (A) (U) A 7QX8M0 Urban Form (A) (U) E 7RC100 Procurement (CT) E 7XX4M0 The thinking eye D 7XC1M0 Circular Design in the Built Environment (CD) A 7KS3M0 Practical assignment 'Bouwkundewinkel' * X	7LL1M0 Sports and Building Aero Dynamics A 7QQ1M0 Architectural Expression * (A) AD 7QX7M0 Architectural Analysis (A) A 7KS3M0 Practical assignment 'Bouwkundewinkel' * X 7KK3M0 Adv. Design & Construct of an Innov. Struct. Obj. E	7KP8M0 Smart Building Methodology & Technology (BT) C 7LY8M0 Smart Cities B 7QQ1M0 Architectural Expression * (A) AD 7QQ2M0 Constructing Architecture (A) D 7QQ3M0 Arts and architecture C 7QX6M0 Architecture and Philosophy (A) B 7QX8M0 Urban Form (A) (U) E 7XC2M0 Circular Research and Design Project (10 ECTS) 7ZW6M0 History of Housing and Cities D 7KS3M0 Practical assignment 'Bouwkundewinkel' * X	7KP9M0 Building Technology with Extreme Complexity (BT) E 7QQ1M0 Architectural Expression * (A) AD 7QX7M0 Architectural Analysis (A) A 7XX4M0 The thinking eye D 7KS3M0 Practical assignment 'Bouwkundewinkel' * X 7RC50 Master project Construction Plan (CT) X 7KK3M0 Adv. Design & Construct of an Innov. Struct. Obj. E (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	
	7_45M0 Graduation Project (AUDE A: 7X45M0, AUDE UD: 7W45M0, AUDE A+UD: 7X60M0 (60 ECTS), BPS: 7S45M0, SED: 7K45M0, USRE: 7Z45M0)		You can start a graduation project every quarter	45 ECTS	
	7CC40 Graduation Project CME		You can start a graduation project every quarter	40 ECTS	