Tracks Master Architecture, Building and Planning 2024-2025

For the tracks SUMT and SMDA see separate overviews

Track AUDE[2]

Core courses

Code	Course	Quarter	ECTS
7QX5M0	Seminar ubanism and Architecture *	1/2/3/4	5
7QW5M0	Research in urbanism and architecture II	2	5
7QW6M0	Architectural and urban theory	2	5
			+
			15

Specialization electives

Choose 30 ects out of 60 ects

Code	Course	Quarter	ECTS
7QX1M0	Masterproject 1 architecture	1-2	10
7QX2M0	Masterproject 2 architecture	3-4	10
7QW1M0	Masterproject 1 urbanism	1-2	10
7QW2M0	Masterproject 2 urbanism	3-4	10
7QX3M0	Architectural engineering	2	5
7QQ4M0	Types and methods in architecture	4	5
7QW3M0	Urban planet	4	5
7XX9M0	Urban trends and strategies	2	5
			+
			30

Electives[1]			30

Choose one of the graduation projects

Code	Course	Quarter	ECTS
7W45M0	Graduation Project Urbanism	1/2/3/4	45
7X45M0	Graduation Project Architecture	1/2/3/4	45
			+
		total	120

Track BPS

Core courses

Code	Course	Quarter	ECTS
7S880	Lighting technology	2	5
7LS3M0	Sustainable buildings/phys. aspects …	1	5
7LS8M0	Architectural acoustics	3	5
7LS9M0	Heat, air and moisture transfer/CFD1	3	5
7LY3M0	Building perf. and energy systems sim.	1	5
7LY4M0	Building services and fire safety	4	5
			+
			30

Specialization electives

Choose 30 ects out of 55 ects

Code	Course	Quarter	ECTS
7LS0M0	BPS Master project design	1-2/3-4	10
7LS1M0	BPS Masterproject A, research	1-2/3-4	10
7LS2M0	BPS Masterproject B, research	1-2/3-4	10
7LL7M0	Capita selecta lighting technology	3	5
7LS6M0	Heat, air and moisture transfer/CFD2	4	5
7LY5M0	Data science for intelligent buildings	1	5
7LY6M0	Materials panorama	2	5
7LY7M0	Techniques in architectural acoustics	4	5
			+
			30

Electives[1]			15

Code	Course	Quarter	ECTS
7S45M0	Graduation Project BPS	1/2/3/4	45
			+
		total	120

Track SED

Core courses

Code	Course	Quarter	ECTS
7KP3M0	Advanced steel and aluminum structures	2	5
7KP4M0	Advanced concrete structures	1	5
7PP5M0	Resource efficient SED	1	5
7KP6M0	Finite element method 1 - linear …	3	5
7KP7M0	Stability of structures	4	5
			+
			25

Specialization electives

Choose 30 ects out of 55 ects

Code	Course	Quarter	ECTS
7KP1M0	Research project	1-2/3-4	10
7KP2M0	Design project large span structures	1-2	10
7KS2M0	Design project high rise building	3-4	10
7KK1M0	Geotechnics, soil mechanics & struct...	2	5
7KT1M0	Structural design, capita selecta	3	5
7KT9M0	Structural design with glass	3	2,5
7KT4M0	Digital design & manufacturing	2	2,5
7PP4M0	Advanced timber structures	1	5
7KT8M0	Finite element method 2 - non-linear …	1	5
			+
			30

Electives[1]			20

Code	Course	Quarter	ECTS
7K45M0	Graduation Project SED	1/2/3/4	45
			+
		total	120

Track USRE

Core courses

Code	Course	Quarter	ECTS
7ZM5M0	Process modeling and information management	4	5
7ZU3M0	Managing place and property	2	5
7ZW3M0	Urban planning 2	1	5
7ZW4M0	Built environment and smart mobility	4	5
7ZW7M0	Urban research methods	3	5
			+
			25

Specialization electives

Choose 30 ects out of 65 ects

Code	Course	Quarter	ECTS
7ZM1M0	Research and development project	1-2/3-4	10
7ZU1M0	Project: Housing portfolio management	1-2	10
7ZU2M0	Project: Redevelopment of problem areas	3-4	10
7ZW1M0	Big data for urban & transp.analysis / project	3-4	10
7M900	Fundamentals of BIM	2	5
7U772	Corporate real estate and workplace strategy	3	5
7ZM8M0	Collaborative design	3	5
7ZU4M0	Econometric analysis of housing markets	1	5
7ZW5M0	Smart healthy urban environments	2	5
			+
			30

Electives[1]			20

Code	Course	Quarter	ECTS
7Z45M0	Graduation Project USRE	1/2/3/4	45
			+
		total	120

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[1] You can use the remaining space for electives to:
- Follow electives offered to all tracks of the master ABP
- Follow core courses or specialization electives from other tracks within the master ABP
- Courses from other master programs within Graduate School, e.g. Construction Management and Engineering
- Do a certificate program: Building Technology, Construction Technology, Circular Design in the Built Environment, or another
- Follow courses at another university in the Netherlands or abroad
- Do an internship in the Netherlands or abroad

[2] For AUDE there are three Register programs available if you want to become eligible for the Dutch Architects Register and/or Urbanists Register. These programs are variants of the AUDE track, and indicate the (specialization) electives you have to choose for the Register.

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Find the complete program overview for the master programs ABP and CME, including electives, and showing timeslots, at: educationguide.tue.nl/gs/abp and educationguide.tue.nl/gs/cme
Here you can also find more information on the certificate programs, internships and following courses at another university (abroad).