

# Tracks Master Architecture, Building and Planning 2023-2024

For the tracks SUMT and SMDA see separate overviews

Core courses

Specialization electives

Track AUDE <sup>2</sup>		Quarter	ECTS
7QX5M0	Seminar urbanism and Architecture *	1/2/3/4	5
7QW5M0	Research in urbanism and architecture II	1	5
7QW6M0	Architectural and urban theory	2	5
			+
			15
<u>Choose 30 ects out of 60 ects</u>			
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 <sup>1</sup>			30
<u>Choose one of the graduation projects</u>			
7W45M0	Graduation Project Urbanism	1/2/3/4	45
7X45M0	Graduation Project Architecture	1/2/3/4	45
			+
<b>total</b>			<b>120</b>

Track BPS		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
<u>Choose 30 ects out of 55 ects</u>			
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 <sup>1</sup>			15
<u>Choose one of the graduation projects</u>			
7S45M0	Graduation Project BPS	1/2/3/4	45
			+
<b>total</b>			<b>120</b>

Track SED		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
<u>Choose 30 ects out of 55 ects</u>			
7KP1M0	Research project	1-2/3-4	10
7KP2M0	Design project large span structures	1-2/3-4	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 <sup>1</sup>			20
<u>Choose one of the graduation projects</u>			
7K45M0	Graduation Project SED	1/2/3/4	45
			+
<b>total</b>			<b>120</b>

Track USRE		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
<u>Choose 30 ects out of 75 ects</u>			
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
7ZM7M0	Parametric design	3	5
7ZM8M0	Collaborative design	3	5
7ZZ9M0	Design science meth. and systems eng.	1	5
7ZU4M0	Econometric analysis of housing markets	1	5
7ZW5M0	Smart healthy urban environments	2	5
			+
			30
Electives <sup>1</sup>			20
<u>Choose one of the graduation projects</u>			
7Z45M0	Graduation Project USRE	1/2/3/4	45
			+
<b>total</b>			<b>120</b>

<sup>1</sup> 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

<sup>2</sup> 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.

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

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