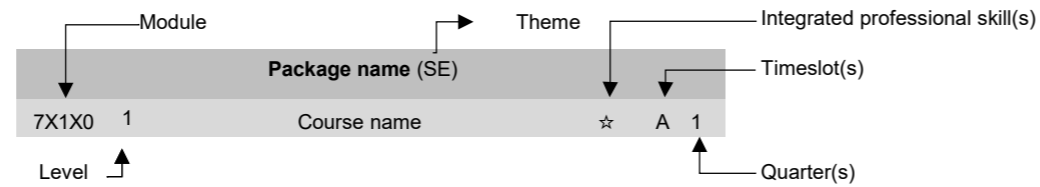


Coherent packages ARCHITECTURE, URBANISM AND BUILDING SCIENCES (2024-2025)

Version: 21-03-2024

Signature BPSD
Signature AUDE
Signature USRE



TU/e Themes (Check your Match)
SE Smart Environments
QL Quality of Life
SM Smart Mobility

Courses with a * are given every block
All courses are worth 5 ECTS, unless indicated otherwise
An overview of all electives, coherent/USE packages, professional skills is available at educationguide.tue.nl/bc/aubs

Timeslots		Mon	Tue	Wed	Thu	Fri
08:45-10:30	1+2	A	C	B	E	D
10:45-12:30	3+4	A	C	B	E	D
13:30-15:15	5+6	B	E	D	A	C
15:30-17:15	7+8	B	E	D	A	C
17:30-19:15	9+10	E	D	A	B	C

BPS 1: Building, Climate and Systems (SE)					
2DBA0	2	Matrices and Differential Equations	B	2	
7S8X0	3	Building Services	E	2	
7S9X0	3	Introduction Building Performance	A	4	
<i>Recommended for: interest in physics oriented research</i>					

SD 1: Structural Engineering Advanced (SE)					
2DBA0	2	Matrices and Differential Equations	B	2	
7P0X0	3	Steel Structures and Applied Mechanics	A	1	
7P9X0	3	Concrete and Masonry Structures	E	2	
<i>Recommended for: master track SED, and BEP SD</i>					

Architecture (SE)					
7X7X0	1	Geometry and Form	A	2	
7X8X0	2	Spatial Imagination	E	3	
7X9X0	3	Tectonics and Materiality	D	4	

Urban Systems, Real Estate, and Construction Management 1 (SE)					
7W9X0	1	Transportation Engineering	A	3	
7W7X0	2	Urban Planning	A	1	
7U7X0	3	Urban Project & Finance	E	2	
<i>Recommended for: master tracks USRE, AUDE (urbanism), and master program CME</i>					

BPS 2: Building and Environment (SE)					
7S0X0	1	Urban Physics: wind, acoustics, insulation and precipitation	A	3	
7S9X0	2	Introduction Building Performance	A	4	
7S7X0	3	Materialization of Facades and Roofs	D	3	
<i>Recommended for: developing design attitude (advisors and engineers)</i>					

SD 2: Structural Engineering Essentials (SE)					
7P8X0	3	Design of Structures	B	4	
7P1X0	3	Experimental Research of Structures and Materials	E	3	
<i>Recommended for: master track SED</i>					

Architecture & Urbanism (SE)					
7T8X0	2	Architecture and Technology OR	B	1	
7W0X0	2	Landscape and Public Space	D	3	
7X3X0	3	History of European Architecture	E	2	
7X0X0	3	Research in Urbanism and Architecture 1	E	4	
<i>N.B. pick 7W0X0 OR 7T8X0 to complete the package</i>					

Urban Systems, Real Estate, and Construction Management 2 (SE)					
7U8X0	1	Geographic Modeling of the Built Environment	D	4	
7W4X0	2	Mobility	E	4	
7M6X0	3	Project Smart Cities	D	3	
<i>Recommended for: master tracks SUMT, USRE, and master program CME</i>					

The Science of Sound and Music (SE)					
7S5X0	1	Acoustic Awareness	E	2	
7S6X0	2	The Science of Sound	A	3	
7SAX0	3	Sounds good!	A	4	
<i>Recommended for: interest in acoustics (advisors and engineers)</i>					

Urbanism (QL)					
7X2X0	1	Urban Case Study	A	4	
7W0X0	2	Landscape and Public Space	D	3	

Smart Mobility Design (SM)					
0SEUC0	1	Future of Mobility: how to evaluate predictions and forecasts	A	2	
7W3X0	2	Mobility and Logistics	E	4	
7GC20	3	Design Project on Smart Mobility	E	1	
<i>Recommended for: master tracks SMDSA, SUMT</i>					

TU/e wide package

The Liberation of Light (QL)					
0HEUA0	1	Light and Experience	A	2	
7HK30	2	Physics of Light and Lighting Design	B	3	
7HK40	3	Liberation of Light technical project	E	1	
<i>Recommended for: certificate Engineering Intelligent Lighting (with USE trajectory The Secret Life of Light)</i>					

package of Dep. of Mathematics and Computer Science

Statistics (SE)					
JBM210	2	Survival and reliability analysis	E	1	
JBM200	3	Generalized linear statistical models	D	3	
JBM220	2	Multivariate Data Analysis	E	4	
<i>Recommended for: master track SMDSA</i>					

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