

BACHELOR PROGRAM Architecture, Urbanism and Building Sciences | Year 1

TU/e

EINDHOVEN
UNIVERSITY OF
TECHNOLOGY

Welcome to the Department of the Built Environment! You are at the start of the bachelor program Architecture, Urbanism and Building Sciences (AUBS). We wish you a every possible success with your studies! During the first year, you will be taking Common Ground courses to be followed by all students of the department to develop your basic knowledge, skills and attitude and laying the foundation for your development as an engineer. All courses during the first-year are Introductory Level courses. You will soon discover that this program requires you to be on the ball; the pace

of the program is fast and it includes many deadlines. This will be experienced as a significant change from high school and requires commitment, discipline and good planning skills.

BACHELOR COLLEGE

The bachelor program AUBS is part of the TU/e Bachelor College. Within the Bachelor College, you can create your own personal study program based on your interests and ambitions. Combine courses of different subjects to get a broad orientation, or dive into specific subjects! This is the setup of the program:

Core program **125 credits**
Elective courses **45 credits**
Impact of Technology (ITEC) program **10 credits**

Q1	Q2	Q3	Q4
Calculus variant A Coursecode: 2WAB0 Timeslot: AB	Architecture & The City Coursecode: 7A1B10 Timeslot: A	Systems in the City: stakeholders, tools and space Coursecode: 7U1B10 Timeslot: E	Impact of Technology: Engineering Ethics Coursecode: 0UXX10 Timeslot: AE
Healthy & sustainable living environments Coursecode: 7UB1B10 Timeslot: D	Statics of structure Coursecode: 7C1B10 Timeslot: D	Circularity and Energy Performance in the Built Environment Coursecode: 7B1B10 Timeslot: D	Structure & Architecture Coursecode: 7A51B10 Timeslot: D
Project S Coursecode: 7P1B10 Timeslot: BC	Project M Coursecode: 7P2B10 Timeslot: BC	Project L Coursecode: 7P3B10 Timeslot: BC	Project preparing for Track (choice of 1 of 4 projects) Coursecode: 7P4B10 Timeslot: BC



Project line Y1 - Q4			
Project Urban living - analysis & (re)development of urban areas Coursecode: 7PA4B10 Timeslot: BC	Project Architectural design Coursecode: 7PA4B10 Timeslot: BC	Project Research and experiments to improve building design Coursecode: 7PA4D10 Timeslot: BC	Project Structural Design Coursecode: 7PA5B10 Timeslot: BC

In total, the three-year program is worth 180 credits (ECTS). Core courses are mandatory. The electives are free to choose and the ITEC courses are mandatory for all future engineers at the TU/e.

COURSE GUIDE

All information about the Bachelor program AUBS can be found in the Course Guide. Read the information in the guide very carefully. Don't hesitate to contact us if you have any questions. The Course guide can be found on the education guide (via downloads). Scan the QR code to learn more.



ESA BE

If you have any questions regarding your time schedule, grades, how to submit a request to the examination committee or diploma(ceremony) please schedule an appointment with the Education & Student Affairs Office of the Department of the Built Environment.



ACADEMIC ADVISORS

If you would like to talk to someone about personal circumstances or issues with regard to your study progress, please book an appointment with one of the academic advisors.



AUBS

The Built Environment is a broad field of study. The first year of the bachelor AUBS is designed to help you explore four different BE tracks:

AUDE	<i>Architectural Urban Design & Engineering</i>
USRE	<i>Urban Systems and Real Estate</i>
BPS	<i>Building Physics & Services</i>
SED	<i>Structural design</i>

During the first year you will become familiar with the basics of all four tracks by doing projects and career orientation activities within the curriculum. This will help you answer the following questions:

- *What do I like?*
- *What am I good in?*
- *What career do I see for myself?*

At the end of year 1 you will start specializing by choosing your main track with its core courses and choosing electives to build your own unique profile.

Good to know

Every course is worth 5 credits (ECTS), with the exception of the projects in year 3 which are both worth 10 ECTS.

You need to obtain a minimum of 45 out of the 60 ECTS in the first year to obtain a positive BSA (Binding Study Advice).

CHEOPS

The Department of the Built Environment has the largest number of study associations at the TU/e. CHEOPS and its sub-associations organize workshops, excursions, lectures and leisure activities. Join a committee to meet new people, learn new skills, and have fun! (cheops.cc)

