Creating an inspiring and sustainable living environment

The MSc Architecture, Urbanism and Building Sciences programme at TU Delft is underpinned by the renowned Dutch experience in architecture, spatial planning and the built environment professions, and has an international orientation drawing on the multinational faculty of staff and students. The teaching approach borrows from the Dutch tradition of working in a multi-disciplinary way with students collaborating in groups to create integrated solutions for the built environment. Our aim is to enable students to build the practical skills needed to make an effective contribution to practice, whilst also laying the foundations of understanding of principles that will guide long-term career development.

This programme sets itself apart from other architecture programmes in the diversity of directions available. Blending knowledge and skills from design practice, from the physical and social sciences, technology and engineering, this programme explores innovative ways to create more sustainable development.

Students can choose between five tracks: Architecture, Urbanism, Management in the Built Environment, Building Technology or Landscape Architecture.

The faculty is keen to receive applications from ambitious and talented students in the Netherlands and other countries. International and home students benefit from the reputation of the faculty, which attracts students from all over the world, creating a truly cosmopolitan ambience. Teaching draws on a very wide variety of examples of the built environment from the Netherlands and many other countries, encouraging students to actively share knowledge and experience. Students are able to develop an independent and academic attitude and are given the opportunity to design their own projects in the specialty of their choice, supported by an excellent infrastructure of model-making facilities, studio spaces and frequent excursions, workshops and seminars. The master’s programme is taught in English.

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science Architecture, Urbanism and Building Sciences</th>
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<tbody>
<tr>
<td>Credits</td>
<td>120 ECTS, 24 months</td>
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<tr>
<td>Starts</td>
<td>BSc Bouwkunde graduates can start every quarter. New students can only enrol in September</td>
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<tr>
<td>Language of instruction</td>
<td>English</td>
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<tr>
<td>International students</td>
<td>43%</td>
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Programme specialisations
On application, students choose one of five tracks for the duration of their degree: Architecture, Urbanism, Management in the Built Environment, Building Technology or Landscape Architecture. Within each track students have the freedom to investigate different specialisations and themes, before choosing a specialisation for their final graduation project. Students from all tracks can choose to graduate in Explore Lab, a faculty-wide platform for interdisciplinary graduation projects.

Architecture
The Architecture track draws on the rich architectural culture of the Netherlands. Students learn how to develop innovative building projects that use design as a means to deal with the technical, social and spatial challenges encountered in the built environment.

Specialisations:
- Architectural Engineering
- Architecture and Public Building
- Architecture and Dwelling
- Interiors Buildings Cities
- Complex Projects
- Heritage and Architecture
- Methods and Analysis
- Veldacademie
- The Why Factory
- Transitional Territories - Water, Land and Infrastructure
- Design as Politics

Urbanism
The Urbanism track draws on the Dutch tradition of combining urban design, landscape architecture and spatial planning. Students learn to integrate social, cultural, economic and political perspectives with the natural and manmade conditions of the site in order to shape and plan for more sustainable development.

Themes:
- Urban Fabric
- Transitional Territories - Water, Land and Infrastructure
- Urban Metabolism
- Regional governance
- International planning and developing regions
- Metropolitan spatial structures
- History and heritage vector
- Design as Politics
- Complex Cities

Management in the Built Environment
The track Management in the Built Environment engages with the managerial dimension and processes of the built environment and the construction industry. Students learn how to manage the urban development and construction process so as to guide the many stakeholders to achieve high quality and financially rewarding development.

Themes:
- Design & Construction Management
- Real Estate Management
- Urban Development Management
- Housing Management

Building Technology
The Building Technology track encompasses a broad spectrum of engineering and architectural design skills that lead to one of the dominant professions of the future: the sustainable designer. Through focusing on structural, façade and climate design, students learn how to contribute to smart buildings that are sustainable, comfortable and environmentally intelligent.

Themes:
- Structural Design
- Climate Design
- Façade Design

Landscape
The Landscape Architecture track deals with design through all scales as an architectonic composition of natural and artificial materials. Students learn to see landscape as a contextual underlay for understanding, ordering and acting in spatial transformations. We emphasise the historical continuity of landscape as a process of time and flows.
Themes:

• Architecture and Landscape
• Dutch Lowlands
• Urban Landscapes
• Flowscapes

Curriculum
The programme runs for two years, with a preparatory year focusing on core subjects and studios followed by a graduation studio in the final year. Students choose to specialise in one of many graduation studios, giving them a wide choice of options within the programme. Each year consists of two semesters, and runs from September through July. TU Delft has adopted the European Credit Transfer System (ECTS). One academic year represents 60 European Credits (1680 hours of study).

Career prospects
Graduates from this programme have an integrated, design-led approach to tackling complex issues of the contemporary built environment allowing them to take up a diversity of career prospects in architecture and related fields. Given the university’s connection to important industry figures, graduates have good access to job opportunities in the Netherlands and abroad.
Many graduates from the Architecture track work in design agencies or establish offices of their own. Graduates of the Urbanism track may be involved in spatial planning, the development of metropolitan development strategies, or urban expansion or redevelopment projects. Graduates of the track Management in the Built Environment find positions with project development companies, real estate investors, housing associations, and governmental agencies at all levels. Graduates of the Building Technology track find opportunities with engineering and architectural firms, in the supply industry, and in the contracting or project development sectors. Graduates of the Landscape Architecture track are employed by agencies specialising in landscape architecture, or more generally focused architecture, urbanism and engineering firms. Graduates from all tracks may also opt for an academic career and continue their studies at the doctoral level.

With a diploma of the Architecture, Landscape Architecture or Urbanism track you can - after completion of a professional traineeship (Beroepservaringperiode) - apply for registration in the Dutch Register of Architects, which allows you to use the protected title of Architect, Landscape Architect or Urban Designer in the Netherlands. The Building Technology and Management in the Built Environment tracks do not allow you to register in the Dutch Register of Architects.

### Admission requirements and application procedures

This is a summary of the requirements only. They are subject to change. Therefore, always consult the websites indicated which give the latest and definitive instructions.

#### BSc degree from a Dutch University

In most cases, if you hold a BSc degree that is closely related to the master’s programme you are applying for, you will be admitted. However, if the master’s programme does not follow directly from your undergraduate programme, you will be required to complete a bridging programme. To see which master’s programmes are open to you on completion of your bachelor’s degree from a non-technical Dutch university go to www.studiekeuze123.nl. If you completed your bachelor’s at a technical university, go to www.doorstroommatrix.nl

#### Degree from a Dutch Univeristy of applied sciences (Dutch HBO)

An HBO bachelor’s degree does not qualify you for direct admission to a TU Delft master’s degree programme. To start a master’s degree programme, you will first need to complete a supplementary programme in order to bring your knowledge to the required level. This programme starts in February. Details can be found at: www.aubs.msc.tudelft.nl/hbo

### International applicants

You must:

1. hold a bachelor’s degree from a respected university (or proof that you are soon to complete one) in a main subject closely related to the MSc programme to which you are applying;
2. have achieved a bachelor cumulative grade point average (CGPA) of at least 75% of the scale maximum, unless specific requirements are defined for the country in which you obtained your bachelor’s degree;
3. meet our English language requirements;
4. submit a motivation essay, reference letters and an extensive curriculum vitae;
5. include examples of your work.

The requirements are given on the TU Delft admissions and applications website: www.admissions.tudelft.nl

More specific information about the requirements of each programme and track are given on the faculty website: www.aubs.msc.tudelft.nl

The application period starts on 1 October and closes on 1 April. All applications are made online through the TU Delft website and require an application fee. It usually takes six to eight weeks before the admission decision can be communicated to you. You are advised to apply as early as possible.