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 man-made conditions of the site in order to shape and plan for more sustainable development.

This track differs from other urban design or planning programmes in its integrated planning, design, science and engineering approach. Students learn to work on several scales, from regional strategic visions to neighbourhood redevelopment projects. Through these projects students respond to local trends such as congestion, mobility, urban renewal, shrinkage and densification and global trends such as globalisation, the financial crisis, climate change, demographic trends and the energy transition.

The Urbanism track is one of five specialisation tracks within the Architecture, Urbanism and Building Sciences master programme. On graduation, students receive Master of Science degree in Architecture, Urbanism and Building Sciences (Urbanism track).

Programme
The Urbanism track aims to provide the prospective urban planner/designer with academic skills to analyse urban environments and urban developments in a critical way and to propose new solutions for an efficient, sustainable and liveable organisation and management of the urban environment. During the first year students will acquire advanced knowledge and skills in urban design and planning in the broader sense. The first three compulsory quarters each offer a research and design project, which is supported by courses on the history of urban theories, urban engineering and research and design methodology.

The first quarter is titled ‘Analysis and Design of Urban Form’ and takes the perspective from urban design and landscape in understanding and designing relations between urban form and carrying spatial structures. ‘Designing Urban Environments’ is the title of the second quarter that takes the outlook from environmental design and technology into the processes of how to make and organize sustainable urban space and communities.

Diploma Master of Science Architecture, Urbanism and Building Sciences
Credits 120 ECTS, 24 months
Start BSc Bouwkunde graduates can enrol monthly. New students can only enrol in September.

Language of instruction English
% international students 61%
In the third quarter ‘Spatial Strategies for the Global Metropolis’ space is perceived on the level of spatial planning and strategy and is about the design and evaluation of spatial strategies that address the (re-)organization of networks, programmes and urban patterns at the regional scale. All explicitly address societal and scientific approaches to issues relating to urbanisation and associated debates. The fourth quarter is free for electives that can also be chosen within the department.

During the second year, students work in the laboratory ‘Urban Transformations and Sustainability’ on an individual graduation project on a topic that reflects the research priorities within the urbanism research themes.

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<th>First year</th>
<th>2nd semester</th>
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<td>1st semester</td>
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<td>1st quarter</td>
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<tr>
<td>R&amp;D Studio: Analysis and Design of Urban Form (10 ECTS)</td>
<td>R&amp;D Studio: Designing Urban Environments (10 ECTS)</td>
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<tr>
<td>History and Theory of Urbanism (5 ECTS)</td>
<td>Sustainable Urban Engineering of Territory (5 ECTS)</td>
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<tr>
<td>R&amp;D Studio: Spatial Strategies for the Global Metropolis (10 ECTS)</td>
<td>Research &amp; Design Methodology for Urbanism (5 ECTS)</td>
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<td>Electives (15 ECTS)</td>
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<th>Second year</th>
<th>4th semester</th>
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<td>3rd semester*</td>
<td>4th quarter</td>
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<tr>
<td>Graduation Lab Urban Transformations and Sustainability (20 ECTS)</td>
<td>Graduation Lab Urban Transformations and Sustainability (30 ECTS)</td>
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<td>Graduation Orientation (2 ECTS)</td>
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<tr>
<td>Analytical Methods of Urban Planning and Design (4 ECTS)</td>
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<tr>
<td>Theories of Urban Planning and Design (4 ECTS)</td>
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* During the 3rd semester, you will develop a study plan and a proposal for a graduation thesis to be completed during the fourth semester.

ECTS = European Credit Transfer System
One academic year = 60 ECTS (1680 hrs study, 1 ECTS 28hrs)
Total amount of credits MSc programme = 120 ECTS

For more information on all courses, please visit: www.studyguide.tudelft.nl
This is a content driven specialisation whose purpose is to acquire further knowledge, skills and experience dealing with the chosen topics. Topics should be part of the research programme of the department and may include local trends such as sustainable mobility, urban renewal, shrinkage and densification; with an understanding of global trends, such as economic globalisation, re-urbanisation and densification, climate change, demographic trends and the energy transition. Graduation projects may focus on several scales, from regional strategic visions to neighbourhood redevelopment projects.

The graduation ‘Laboratory Urban Transformations and Sustainability’ includes three kinds of content-driven activities for all students. The first are lecture series organised by the research groups where they and people from practice and other research institutions present the relevant issues and their latest results and experiences. The second are master classes dedicated to improve students’ skills (such as GIS, GPS tracking, making a poster, visualisation, other methods, etc.). The third are lectures, symposiums and workshops organised by students themselves according to their own interests.

After the first quarter, and according to their topic of interest, students will be assigned to work with the research groups in studios where they will work closely with researchers specialized in their specific topic. The students will choose their main mentors from this research group, and a second mentor from a different section. The research groups are Urban Fabrics, Smart Cities and Urban Metabolism, History and Heritage, Complex Cities and Transitional Territories - Water, Land and Infrastructure.

Career prospects
The importance of urbanism as an integrating discipline is becoming increasingly apparent and the Netherlands is well known as a leader in this field. Graduates are well placed to work for urban design and planning offices, government authorities and to join research networks in the Netherlands and abroad. To obtain the right to use the title of Architect, Urban Designer or Landscape Architect after having graduated from the MSc programmes in question a completed two-year period of professional experience is required.
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 denotive 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 university of applied sciences

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 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 eight weeks before the admission decision can be communicated to you. You are advised to apply as early as possible.

For further information

Please visit the webpage for all details, complete requirements, deadlines and contact information:

www.aubs.msc.tudelft.nl

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For international applicants

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