It is broadly recognised that insight, knowledge and skills in process and management are of vital importance to professionals in the world of architecture, construction and the built environment, especially in today’s circumstances. The Management in the Built Environment track engages with this need by exploring the managerial dimension and the processes involved with these industries. 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. They learn how to manage the process at the ‘object level’ – that is, involving buildings and structures, as well as at the ‘supply level’ – involving the management of real estate portfolios and urban areas.

This programme sets itself apart from other Management in the Built Environment programmes in its design focus. As part of the Faculty of Architecture and the Built Environment, this programme builds on our strength in creating multidisciplinary design-based solutions. Graduates have the unique advantage of having a design-led perspective on how the construction industry operates. Applicants should have a bachelor degree or equivalent in the building sciences, such as architecture, urban design, planning, real estate and construction management. Prospective students must demonstrate a sensibility to the processes involved in the design of building projects and have a keen interest in managerial issues. Past students include architects who want to improve their managerial skills and those with a technical background who have a desire to bring a design component to their education. The Management in the Built Environment 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 (Management in the Built Environment track).

Programme
The first year focuses on the development of core knowledge and skills while the second year focuses on application and synthesis of this knowledge through a graduation project. Students are provided with a coherent overall perspective, giving them a capability to integrate processes, phasing and different
Curriculum Real Estate and Housing

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<tr>
<th>First year</th>
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<tbody>
<tr>
<td><strong>1(^{st}) semester</strong></td>
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<tr>
<td>Design and Construction Management (7 ECTS)</td>
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<tr>
<td>Real Estate Management (7 ECTS)</td>
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<tr>
<td>Housing Policy, Management and Sustainability (7 ECTS)</td>
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<tr>
<td>Qualitative Research Methods in Design and Engineering (3 ECTS)</td>
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<tr>
<td>Management and Finance 1 (6 ECTS)</td>
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<tr>
<td><strong>2(^{nd}) semester</strong></td>
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<tr>
<td>Urban (Re)development Game:</td>
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<tr>
<td>Integrating Planning, Design and Property Development (10 ECTS)</td>
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<td>Re-Design: From Area to Building Block (10 ECTS)</td>
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<td>Management and Finance 2 (10 ECTS)</td>
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<th>Second year</th>
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<tr>
<td><strong>3(^{rd}) semester</strong></td>
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<tr>
<td>Free Electives (15 ECTS)</td>
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<tr>
<td>Compulsory choice between (2 out of 3):</td>
</tr>
<tr>
<td>• Case study Methods (3 ECTS) /</td>
</tr>
<tr>
<td>• Operations Research Methods (3 ECTS) /</td>
</tr>
<tr>
<td>• Applied Statistics (3 ECTS)</td>
</tr>
<tr>
<td><strong>MSc 3 Graduation Laboratory (9 ECTS)</strong></td>
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</tbody>
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| **4\(^{th}\) semester**                       |
| MSc 4 Graduation Laboratory (30 ECTS)         |

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](http://www.studyguide.tudelft.nl)

scales, while addressing stakeholder concerns. The first semester is oriented towards knowledge acquisition, drawing from both academic sources and illustrative case studies. Three courses offer an introduction to respectively Design and Construction Management, Real Estate Management and Housing Management. Courses are also offered covering Management & Finance including management science, economy, law and IT and research methods. The content of the courses on Management & Finance and research methods is linked to the other courses. During the second semester, students will continue with academic coursework with a second course on Management & Finance but the focus shifts primarily to skills acquisition. This is achieved through two courses:
a simulation game in which students assume different stakeholder roles in a real development project, and a course consisting of practice-based case studies in which students are challenged to provide and explain alternative solutions to optimise building processes and their management. In the final year students begin work on their individual graduation projects. To this end the department offers several graduation themes students can choose from.

Programme specialisations

**Design & Construction Management** targets the development and management of design and construction at the scale of a building.

**Real Estate Management** is concerned with the supply of and demand for building stock, for private firms as well as public institutions.

**Urban Development Management** looks at the processes involved with the development of larger urban projects.

**Housing Management** deals not only with the creation and management of housing stock, but also with housing policy.

In addition to these courses, students have an electives programme consisting of 15 ECTS for the purpose of broadening their academic perspectives, knowledge and skills, or to allow for further specialisation in connection with the individual graduation project. In the final year there is a methodological programme that is directed at providing students with sound research methods in support of their graduation project work.

Career prospects

Graduates are valued by project development companies, real estate investors, housing associations, municipalities and regional and central governments, where they may concentrate on the overall logistics of design, construction and management. They also join firms involved in the management, maintenance or renovation of large office or residential projects. The tasks they take on can vary from initial studies, design and construction to the management of existing real estate. Graduates may also opt for an academic career and continue their studies at the doctoral level.

In addition to my master studies in Sweden, I wanted to broaden my knowledge further and decided to do this by exchange studies. The reason why I chose TU Delft was, apart from the fact that the country and the Dutch people seemed very nice, the master programme track Real Estate and Housing. The track offered by far the most attractive and interesting courses in the field of real estate compared to the other universities I was considering for my exchange. This because of the courses which dealt with the interaction between design-based solution and management thinking as well as management in a broader scale where you learn to interact with the different stakeholders in a project. Stakeholders are essential because the real estate sector have a big impact on several groups such as tenants, neighbourhood and business. Management in the Built Environment also turned out to be even better than presented on paper. I feel that the courses and program have given me a solid ground to gain even further knowledge as well as adapt the knowledge in practice. The master track Management in the Built Environment increases the insight, knowledge and skills in various areas, including; organisation and construction of building, real estate economics etc. In particular I appreciate that academic knowledge with books and other literature sources was combined with practical discussions and real cases and issues. Several lectures were also led by guest speakers from varying fields.

Where I’m going next I have not yet decided. However, I believe that the courses at Management in the Built Environment have prepared me for a career applicable for many different sections of the real estate sector.
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 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 in 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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