



# Master Metropolitan Analysis, Design and Engineering

Wageningen University & Research | Delft University of Technology

## Degree

Master of Science

Joint degree

Wageningen University

& Research and Delft

University of Technology

## Credits

120 ECTS, 24 months

## Language

English

## Location

Amsterdam

## Start

September

## Joint Master's Degree

The master's Metropolitan Analysis, Design and Engineering (MSc MADE) is an interdisciplinary master's programme of both Wageningen University & Research and Delft University of Technology that focusses on sustainable development. You will learn to create innovative solutions for the challenges that metropolitan regions are facing in securing environmental change, urban sustainability and the quality of life in cities. This two-year master's in sustainable development is entrepreneurial in approach and takes place in the urban context of Amsterdam.

In the MSc MADE programme you will tackle particularly complex problems deriving from urbanisation including mobility and logistics, water and waste management, and energy and food security. You will work together in multidisciplinary student teams to reflect and work on solutions to questions like: How to keep our metropolises connected? How to aim for the circular city? And, how to safeguard its vitality?

## Student Experience



*"After my bachelor of Industrial Design, I wanted to focus on process design rather than product design to head towards more sustainable and circular environments. I became interested in complex systems, such as the city. The MSc MADE included multi- and interdisciplinary work, and it challenged me to get the most out of ideas and solutions together with others."* - Nono, MSc MADE Alumna and Jr. Project Manager at EPEA B.V.

## Career prospects

As a Metropolitan Analysis, Design and Engineering graduate you will be both an expert and an integrator. You will be a boundary spanner at a firm or a government, a pioneering researcher aiming for a PhD, or an innovator ready to start your own business.

What makes this master in sustainable development unique?

- ✓ Attain skills and knowledge by testing ideas in a living lab setting in Amsterdam.
- ✓ Benefit from a joint degree that gives you access to the world-leading academic resources of Wageningen University & Research and Delft University of Technology.
- ✓ Work in multidisciplinary teams with students from different academic and international backgrounds.

This master is a cooperation between:



First year	Metropolitan Challenges	Metropol. Innovators	Data 2	Selected Electives at WUR/TUD	Metropolitan Solutions
	12 EC	6 EC	3 EC		
Second year	Data 1	Entrepr. Think.	Entrepr. Skills	18 EC	12 EC
	3 EC	3 EC	3 EC		
	Living Lab collaborate in transdisciplinary team to co-create metropolitan solutions in the Amsterdam living lab				
Thesis building a theoretical framework, advancing analytical methods, and explicating conceptual approaches					30 EC
Professional Profile					6 EC

### Are you a student who is interested in:

- working with students from different academic backgrounds?
- pushing boundaries in practice and science, and/or creating a start-up or own company?
- embracing co-operation in different group projects?
- above all, creatively looking for answers to metropolitan challenges?

### MADE study programme

The MADE programme trains students to identify and analyse contemporary metropolitan challenges and create innovative and sustainable solutions. Over the course of two years, students are provided with thorough training in academic skills and project work. The MSc MADE is connected to the inter- and transdisciplinary research portfolio of the two partner universities, AMS Institute, and industrial and societal partners.

In the first year students focus on three core themes to acquire the competencies to solve metropolitan problems. Electives allow for self-designed tracks in Wageningen and Delft University of Technology to facilitate specialisation. In the second year, the living lab course supports co-operation with public or private partners in the Amsterdam metropolitan region. The thesis course supports advanced theoretical understanding of metropolitan

complexities, and of related methods needed to substantiate innovative socio-technical solutions.

Being situated in Amsterdam and at AMS Institute gives students a unique study context and better access to urban research and industry networks. The AMS Institute is the home-base of MSc MADE and is located in the heart of Amsterdam. Situated at the nexus between industry, government and academia, AMS Institute works on jointly developing and valorising integrated metropolitan solutions. MSc MADE is strongly connected to the both inter- and transdisciplinary research portfolio of the two partner universities and AMS Institute's activities and network of industrial and societal partners.

### For application

Submit your complete application before:

- 1 May 2020 (non-EU/non-EFTA students)
- 1 July 2020 (NL/EU/EFTA students)

in order to be included in this procedure.

Please visit the web-page for all details, complete requirements, deadlines and contact information:

[www.wur.eu/apply](http://www.wur.eu/apply)

### Contact

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