

# Management of Technology

## MOT

### MSc Programme



High-tech companies must constantly strive to improve their products, services, and business models in order to remain competitive. Therefore, most companies need to continuously acquire new knowledge and to apply strategic management and effective decision-making in order to innovate their business. The Master's programme in Management of Technology (MOT) educates students with a Bachelor's degree in engineering to become technology managers, innovation managers, entrepreneurs and analysts of technological markets.

<b>Degree</b>	Master of Science
<b>Starts</b>	September
<b>Type</b>	full-time
<b>Credits</b>	120 ECTS, 24 months
<b>Language</b>	English
<b>Application deadline</b>	April 1st: international students July 1st: Dutch degree
<b>Scholarships</b>	<a href="https://scholarships.tudelft.nl">scholarships.tudelft.nl</a>

The objective of the programme is to improve the quality of technology and innovation management in the different engineering monodisciplines in practice by training responsible decision makers, professionals and leaders. Students contribute to scientific work in the area of MOT and have the opportunity to apply their knowledge and skills in complex real-world settings, such as advanced technology organisations, laboratories, and high-tech business ventures.

The programme is deliberately aimed at an international and diverse group of students.

Students of MOT are all rooted in at least one of the engineering monodisciplines as offered at universities of technology or schools of engineering. MOT students work together in order to combine scientific insights from the different engineering disciplines and to apply the diverse aspects of technology and innovation management.

#### **Programme**

MOT addresses challenging questions most companies face such as:  
What technologies do we need and when do we need them? Should we develop the

FIRST YEAR				SECOND YEAR	
1ST SEMESTER		2ND SEMESTER		3RD SEMESTER	4TH SEMESTER
1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER		
Leadership and Technology Management	Economic foundations	Business Process Management and Technology	Emerging and Breakthrough Technologies	Specialisation	MOT Master Thesis Project
Technology Dynamics	High-tech Marketing	Technology, Strategy and Entrepreneurship	Inter- and Intra-organisation Decision Making	Elective Courses	
Financial Management	Social and Scientific Values	Research Methods	Integration Moment	Preparation for Master Thesis	

technology we need with our own research capabilities, in collaboration with external parties, or acquire it or license it from others? How can we use the abundant technological opportunities to affect our mission, objectives and strategies?

The programme also addresses technology management in society, which is crucial for economic growth, global trade, and the movement of goods and services across international borders. MOT prepares future engineers by stressing:

- How technology firms are structured, organised and changed
- How ideas transform into technology based products, services and business models
- How to deal with people, risks and corporate responsibilities
- How to study the various aspects of technology and innovation

### Curriculum

The curriculum of the MOT programme is organised around the following core themes:

- Technology, Innovation and Organisation
- Technology, Innovation and Commercialisation
- Technology, Innovation and Engineering Economics
- Research and Reflection.

In a separate course students learn how to integrate the different themes of the programme.

In the first semester of the second year, students choose one of the specialisation courses or choose to study abroad. The MOT programme participates in international exchange programmes with other universities. Please visit the website for the most recent information about the specialisations.

Some of the specialisations also offer an annotation, meaning that the graduation project is carried out externally in a related organisation.

The programme is concluded with a master thesis research project. In many cases, the projects will be completed as an internship at an international company in which technology plays a determinative role.

At the conclusion of the programme, students will be equipped with both technical and business skills to take up a position where you can help to drive business success as a manager of technology.

### Career prospects

MOT graduates work in countless international and national firms or organisations with a technological orientation. Many also find employment in major consultancy companies. Still others choose to work for start-ups or smaller technology-oriented companies. Graduates work as project leaders, programme managers, technology managers, R&D managers, consultants or start their own business.



17th

QS World University Rankings by Subjects  
2019 in Engineering and Technology



50%

International MSc students



100+

Students start each year

### Career perspective



86%

Job within 6 months



10%

starts an entrepreneurship