

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, 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.

Degree	Master of Science
Starts	September
Type	full-time
Credits	120 ECTS, 24 months
Language	English
Application deadline	1st of April: international students 1st of May: Dutch degree
Scholarships	scholarships.tudelft.nl

The objective of the programme is to improve the quality of technology and innovation management in the different engineering mono-disciplines 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 mono-disciplines 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 technology we need with our

FIRST YEAR				SECOND YEAR			
1ST SEMESTER		2ND SEMESTER		3RD SEMESTER		4TH SEMESTER	
1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER
Leadership and Technology Management	Research Methods	Digital Business Process Management	Inter- and Intra-Organisational Decision Making	Elective Course	Preparation for Master Thesis	MOT Master Thesis Project	
Emerging Breakthrough Technologies	Social and Scientific Values	Technology, Strategy and Entrepreneurship	High-Tech Marketing	Elective Course	Elective Course		
Financial Management	Economic Foundations	Business Analytics	Technology Dynamics	Elective Course	Integration Moment Management of Technology Consulting Project		

own research capabilities, in collaboration with external parties, 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 elective 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 elective courses. 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. 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.



10th

QS World University
Rankings by Subjects 2022 in
Engineering and Technology



53%

international MSc students



102

students started in 2022

Career perspective



86%

finds a job within 6 months



10%

becomes an entrepreneur