



TU/e: a good choice!

- High quality of education and research
- Leading position in international university rankings
- Excellent student facilities
- International contacts with leading universities
- Eindhoven is a modern student city
- Region of Eindhoven: technology hotspot in the Netherlands

www.tue.nl/masterprograms/oml

More information about Operations Management & Logistics:

School of Industrial Engineering
tel. +31 (0)40 247 5937
e-mail: info-msc@tue.nl
www.tue.nl/masterprograms/oml

More information about TU/e

Education and Student Service Center
tel. +31 (0)40 247 4747
e-mail: io@tue.nl
www.tue.nl/masterprograms

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Study possibilities

- Full-time

Degree

- Master of Science (MSc)

Language

- English

Times of entry

- September and February

Duration

- 2 years (120 ECTS)

Program: 1st year

- Compulsory courses: 60%
- theory lessons and self-study
 - group design project
- Electives: 40%
- theory lessons and self-study
 - group design project

Program: 2nd year

- Electives: 40%
- Preparation for thesis: 10%
- Master's thesis project: 50%

Master's degree program

Department of Industrial Engineering & Innovation Sciences

TU/e Technische Universiteit
Eindhoven
University of Technology



Operations Management & Logistics

Eindhoven University of Technology (TU/e) offers you the choice of 27 Master's programs. In this brochure about Operations Management & Logistics you can read about the content of the program, the requirements for admission and the graduation specializations. This information should help you to decide if Operations Management & Logistics is the right program for you.

Base of organizations

Operations form the base of every organization, whether in manufacturing, service or non-profit industries. Operations Management & Logistics is a multidisciplinary field that covers fields like product development, quality management, logistics, information systems and human resources management. Operations extend from the performance management of a group of design engineers or building-in quality-feedback loops to

the precise prediction of production and delivery performance. Supply chain management and the design of information architectures for e-business are also part of Operations Management.

The Master's degree program

The Master's degree program provides theory, tools and techniques for the management of operations. You will apply the knowledge that you gain during the program in the various projects, in which you will learn what it means to carry out your own research. You will learn how to analyze the current operational performance of an organization, how to explain it in terms of quality, cost and time, and how to improve its performance by redesigning business processes. The program is truly international with an annual student intake from across the globe from the best undergraduate programs in industrial engineering. The department

www.tue.nl/masterprograms

Where innovation starts



Alumnus Robin Bressers

“TU/e and the city of Eindhoven offer a no-nonsense setting with a lot of freedom and opportunities, into which my studies fitted very well. The skills that I learned in combining my knowledge to solve new and existing (business) problems gave me a lot of motivation to get through my studies smoothly. The highlight was an internship with KLM Cargo in Chile, where I solved a real logistics problem. I’m now working for Shell as Fuels Pricing Manager for the Benelux and France. The constant factor in my career is that I can use my knowledge of both technology and business administration to achieve the defined company goals. That’s why I get out of bed looking forward to my work every day!”



Student Zeynep Yetis

“I got my degree in Industrial Engineering in Ankara, Turkey, and my professors recommended that I did my Masters in Europe. TU/e is well known in Ankara and I heard a lot of positive things about the university. I definitely feel home at TU/e and in the Netherlands in general. And the Master’s program definitely suits me. The projects are very practically oriented and I have the chance to see how theory is put into practice during the classes. My thesis will be on Human Performance Management in Logistics Operations. TU/e has provided me with good research opportunities, and I’ve already had the chance to collect data in a company for an analysis that I will use in my thesis. As a student, it’s a big advantage to be able to do that.”

members also have a strong international orientation, publish in the best academic journals, participate in conferences worldwide and work closely with many multinational corporations.

“The highlight was an internship with KLM Cargo in Chile”

Internship opportunities

The concluding Master’s thesis project is a research internship that plays a central role in the overall Master’s program. During the second and third semesters you will work on the preparations for your project, and in the final semester you will focus totally on the internship. You can follow this internship at one or more of the companies that are involved in the research project. In the third semester you will have the opportunity to follow a research internship at a university in another country, subject to the requirement that this internship is linked to your thesis and your study background. Outside the academic year the program also offers extracurricular summer internships, which you can follow between the second and third semesters. Master’s students from outside the Netherlands please note: You are admitted with an individual program. This means that you have to pass some extra undergraduate (minor/pre-master) courses up to a maximum of 20 credit points. You are allowed to include these courses in the free electives’ space of your Master’s program.

Research profile of the department

The research program is closely linked to the BETA Research School for Operations Management & Logistics. Beta carries out multidisciplinary research in the field of Operations Management & Logistics. The research is typically quantitative and empirical, and involves the use of mathematical and statistical models. The professors of this Master’s program work together with partner institutes in North America, Asia and Europe.

Requirements for admission

There are a number of general requirements for admission to Master’s degree programs and special Master’s tracks:

- You must have a relevant Bachelor’s degree (or equivalent), based on a program of sufficient academic level and quality to enable you to complete the TU/e Master’s degree program or special Master’s track to which you wish to be admitted.
- You must be able to demonstrate sufficient command of the language in which the program or track is taught. All TU/e Master’s degree programs and special Master’s tracks are taught in English.
- To prove sufficient command of the English language you should submit an Academic IELTS or TOEFL test. For the scores or exemptions, you can contact the International Relations Office (io@tue.nl) or visit www.tue.nl/masterprograms.
- There may be additional specific requirements for specific programs or tracks, also depending on the nature of your prior education.

For more information: www.tue.nl/masterprograms.

Specializations

At the end of your first semester you will choose a specialization, which could for example be:

- Human Performance Management;
- Information Systems;
- Operations and Supply Chain Planning.

Cooperation with other universities

The department of Industrial Engineering & Innovation Sciences has an active exchange program with a number of European universities. For example, TU/e is a member of the CLUSTER university network with universities in Belgium, Finland, France, Germany, Italy, Spain, Sweden and the UK. In addition the department maintains several dozen bilateral exchange programs with other universities in Europe, North America, South Africa and Asia.

Graduation options

The concluding Master’s thesis project plays a central role in the program. After the first semester you will select a subject for your Master’s thesis project. You will then study this specialization in-depth, under the supervision of your mentor. You will also choose a significant number of electives within this specialization. The Master’s thesis project is an empirical research project, which means that you need to decide on the research topic to be addressed, and that you then also carry out the study yourself. This can possibly be in close cooperation with a business sponsor, and is always related to the activities of the Beta research school. These final thesis projects are commonly carried out in large international companies such as Philips, Unilever and Océ.

Graduated... and then?

As a graduate of this Master’s degree program you will be well prepared for a broad range of positions and careers. For example, you could work as a supply chain manager, as a quality manager in a production or service company, as a consultant in business management or information systems, as a business analyst or as a performance manager. Starting your own company or following a career in research is also among the options.

“I definitely feel home at TU/e and in the Netherlands in general”

Why study Operations Management & Logistics in Eindhoven?

The Operations Management & Logistics research group is one of the European leaders in its field. Next to that, teaching in this program is closely linked to the most recent research results, so as far as the content is concerned you’re dealing with real state-of-the-art knowledge. In the teaching model the courses involve a lot of project work, with in-depth studies covering both literature and practice. Your mentor plays a vital role in the program, and supervises your work during three of the four semesters. Another unique aspect of the program in Eindhoven is its international focus, for example because of the international teaching staff and international students.