
## 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/is**

**More information about Innovation Sciences**
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www.tue.nl/masterprograms/is

**More information about TU/e**
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www.tue.nl/masterprograms



**Study possibilities**
- Full-time

**Degree**
- Master of Science (MSc)

**Language**
- English

**Times of entry**
- September or February (depending on the nature of your prior education)

**Duration**
- 2 years (120 ECTS)

**Program: 1st year**
Compulsory courses: 36 ECTS
- social sciences

Clusters/free electives: 24 ECTS

**Program: 2nd year**
International internship: 20 ECTS
Master's thesis: 40 ECTS
- preparation of the Master's thesis (10 ECTS)
- writing of the Master's thesis (30 ECTS)

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TU/e Technische Universiteit **Eindhoven** University of Technology

# Innovation Sciences

Eindhoven University of Technology (TU/e) offers you the choice of 27 Master's programs. In this brochure about Innovation Sciences 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 Innovation Sciences is the right program for you.

### Crucial factors for economic growth

The ability to apply technology and innovation effectively is crucial for economic growth and welfare. To achieve these aims, it is therefore important to gain a deeper understanding of these phenomena. How can we create an innovative climate in a globalizing world? Who or what determines whether a new technology will succeed? How can we make innovation work for sustainable development? In the Master's degree program in Innovation Sciences, you will learn to analyze the socio-economic effects of technological innovations. And you will work on the design and evaluation of public and private policy, and of strategies and interventions that are intended to influence innovation processes and technological change.

### The Master's degree program

Innovation (processes) and technological change take place in an international context more and more. The program therefore has a strong international focus. Successful innovations are not only initially determined by the technology itself. The question of whether an innovation ultimately becomes a success also depends on a range of social factors. The Master's degree program takes this into account by combining knowledge of technology with that of social science disciplines. The multidisciplinary nature of the program is reflected in the social sciences courses related to

## Where innovation starts

## Alumnus Jan Cloin

“This program was a great choice! What I liked most of all was the broad view of society based on my technical expertise. You learn that technology is important, but its embedding in society, affordability and acceptance are also vital for it to have lasting value. I graduated on solar energy applications for households in Zimbabwe, and I’m now working at the Dutch Ministry of Foreign Affairs as a member of the Energy policy staff on renewable energy projects in Africa. What I’m most enthusiastic about is the fact that you can really make a difference between a successful and a less successful program, based on an understanding of the embedding of solar, wind and water power, and biomass technology.”

## Student Berna Çelebi-Kalk

“I studied Industrial Engineering in Ankara, Turkey. But this study was too much technical oriented with a micro view on problems. I wanted to learn more about societal aspects related to technical development. That is why the Master’s program Innovation Sciences suits me perfectly. It’s like a tasty soup with many beautiful ingredients: an engineering approach combined with sociological, economical, political and even psychological views. I believe you’ll find this soup only at the TU/e! The TU/e has a very good reputation in my country. It’s especially known for its international work field. In addition, my department is very flexible concerning graduation topics. So I’m graduating in sustainability issues in developing countries. I would like to contribute to make the world a more sustainable place.”

innovation and technology. Next to that you will choose specializations in technical and/or social science subjects. Your program will be completed with an international internship and a Master’s project.

### Internship opportunities

During the Master’s degree program you will spend one semester at a university in another country specializing in technology and innovation. The courses (and/or research project) that you will follow during this internship will enable you to deepen the knowledge you have already gained, or to supplement it with subjects that are not taught at TU/e. The innovation-related subjects that you follow while studying abroad will be closely linked to your final Master’s project. The program has strong research links with prominent universities, for example in Sweden, Denmark, Norway, Italy, Germany, the UK, Singapore, the USA and South Africa.

### Research profile of the department

The research program is linked to the Eindhoven Centre for Innovation Studies (ECIS). It focuses on the analysis of the causes and consequences of innovation and technological change in organizations, networks, regions, economic sectors and national economic systems. Some of the main research themes are Moral Values in Design, the Role of Technology in European Integration, Globalization and Development, Designing Computer Interfaces from a User Perspective, Introduction of Sustainable Energy Technologies, the Knowledge Economy and Economic Performance, and The Role of High-Tech Startups in the Dutch Innovation System. The research program is a collaboration between many disciplines, economics, sociology, psychology, philosophy, history and science, and technology studies. More information on: http://ecis.ieis.tue.nl.
Master’s students from outside the Netherlands please note:
You are admitted with an individual program to eliminate your deficiencies. Instead of the standard international term during the second program year you might have to pass some extra undergraduate (minor/pre-master) courses, up to a maximum of 20 credit points.

### 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.

### Grants and tuition fees

Various scholarships are open to students wishing to follow a Master’s program at Eindhoven University of Technology. A requirement of most scholarships is that you have been admitted to a Master’s program before you may apply to the scholarship. It is therefore important that you take good note of the scholarships deadlines and apply well in advance to the TU/e Master’s program of your choice in time to meet the scholarship deadline. Students with the nationality of an European Economic Area country are eligible for an allowance for tuition fees. For more information visit the website of the Dutch organization for student grants, DUO-IB-Groep: www.ib-groep.nl/International_visitors.

### Specializations

The Master’s degree program in Innovation Sciences provides clusters, in which you can specialize. These include, for example, the following elective clusters: Life in a Virtual World: the social science of the Internet, Knowledge Economy & Society, Innovation & Sustainability, Technology, Globalization & Europeanization.

### Graduation options

The second year of the Master’s program is taken up largely by your final Master’s project. The program of Master’s projects in Innovation Sciences is linked to the research program of the Eindhoven Center for Innovation Studies (ECIS). The Master’s project is usually carried out in a business organization, non-profit organization, governmental agency, international organization or within the ECIS research school. The final Master’s project can be carried out either in the Netherlands or abroad (for instance developing countries).

### Graduated... and then?

As a graduate of this Master’s program, you will be able to work in both the private and public sectors in organizations operating at the boundary between technology and its social application. In many cases you will work in interdisciplinary teams consisting of engineers, social scientists, consultants, policy-makers, managers and researchers. You will also be able to work in industrial multinationals such as Philips, IBM and Shell, at universities and higher education institutes, at statistical institutes such as Eurostat, at TNO (Netherlands organization for applied scientific research), in government, or in NGOs such as the Red Cross or Oxfam Novib.

### Why study Innovation Sciences in Eindhoven?

The program has recently been evaluated as ‘very good – excellent’ by Quality Assurance Netherlands Universities (QANU). The Master’s program in Innovation Sciences in Eindhoven is unique in the Netherlands, and differs from other programs that also focus on technology development, innovation and policy. This program integrates both social and technical knowledge and insight in relation to technology and innovation. This is facilitated by close partnerships with the other technical departments at TU/e. In brief, this Master’s program focuses on the question of which technical, economic, social and legal aspects need to be taken into account to allow the formulation of effective policy through which technological development and innovation can be initiated in the desired direction.