TU/e Master's degree programs

General information

The Netherlands

The Netherlands is well known for its tulips and its capital city Amsterdam, but the country has a lot more to offer. Since the Netherlands (often called Holland) is a relatively small country (40,000 km²) with an extensive rail network, you can reach all the places of interest quickly and easily. The official language of the Netherlands is Dutch, but most Dutch people speak English. The country has a knowledge-based society; its prosperity is primarily based on advanced, global services.

Eindhoven

Eindhoven is located in the southeast of the Netherlands, within 50 kilometers of both the German and Belgian borders. The closest big cities are Düsseldorf (Germany) and Antwerp (Belgium). The Dutch capital Amsterdam is 125 km away. With a population of 215,000 the city of Eindhoven is the fifth largest city in the Netherlands and the largest in the south of the Netherlands. Around 700,000 people live in the region of Eindhoven.

The Eindhoven region is one of the leading technology hotspots in Europe. Many top international high-tech companies are located in Eindhoven. Eindhoven is also a lively city with all the facilities that students could wish for including a wide variety of student clubs and societies.

Why study at TU/e

Eindhoven University of Technology (TU/e) is an internationally renowned university that specializes in engineering science and technology. TU/e is worldwide the number one university for research collaboration with industry: of the 350 best performing research universities worldwide, TU/e creates the largest scientific output in cooperation with industry.
In a ranking by the Leiden Center for Science and Technology Studies, TU/e produces the most scientific publications.

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Attractive careers in the technological heart of the Netherlands

The region Brainport Eindhoven is one of the most innovative centers for advanced technology in Europe. It has been the base for the technology giant Phillips Electronics for more than a century and many other multinational companies have research, development and production facilities close to Eindhoven, including ASML and Océ, two of the Amandus H. Lundqvist Scholarship Program partners. In 2011 the Eindhoven region was named the world's most Intelligent Community in a survey by the Intelligent Community Forum.

Personal contact

TU/e is a relatively small university with a high ratio of scientific personnel. Students are happy with its open and informal atmosphere, which fosters easy contact with the professors. The university community is international and multicultural, with English becoming increasingly the main working language. TU/e has strong ties with universities worldwide, including in China, India, America, Australia and Europe.

TU/e Graduate School

Graduate education at Eindhoven University of Technology is provided by the TU/e Graduate School and includes Master programs, Technological Designer programs and PhD programs. For more information about the TU/e graduate school go to: www.tue.nl/education.

The information in this leaflet focuses on the Master programs of the TU/e Graduate School.

Master's degree programs at TU/e

The TU/e Graduate School offers 21 Master programs and 7 special Master tracks. The difference between programs and special tracks is in their formal status. The relatively new special tracks have awaiting recognition by the Dutch government as independent programs. If you graduate in one of these special Master tracks, you will receive a degree from the corresponding recognized Master program. The Master programs take two years and offers various specializations. The language of instruction is English. TU/e offers the following Master programs and special Master tracks.

Department of Applied Physics
- Applied Physics
- Nano-Engineering*
- Science and Technology of Nuclear Fusion*

Department of Biomedical Engineering
- Biomedical Engineering
- Medical Engineering

Department of the Built Environment
- Architecture, Building and Planning
- Construction Management & Engineering

Department of Chemical Engineering and Chemistry
- Chemical Engineering

Department of Electrical Engineering
- Broadband Telecommunication Technologies*
- Care and Cure for Electrical Engineering
- Electrical Engineering

Department of Industrial Design
- Industrial Design

Department of Industrial Engineering & Innovation Sciences
- Human-Technology Interaction
- Innovation Management
- Innovation Sciences
- Operations Management & Logistics

Department of Mathematics and Computer Science
- Business Information Systems
- Computer Science and Engineering
- Embedded Systems
- Industrial and Applied Mathematics
- Information Security Technology*

Department of Mechanical Engineering
- Automotive Technology
- Fluid and Solid Mechanics*
- Mechanical Engineering
- Sustainable Energy Technology
- Systems and Control

** Special Master track, formally a track of one or more Master's degree programs*
You will find more information on www.tue.nl/masterprograms.

How to apply for a TU/e Master program

Full information on the application procedure and access to the online application form for TU/e Master programs is available on www.tue.nl/admission.

International Relations Office

Once you have been admitted to a TU/e Master program, the International Relations Office will help you to find your way to Eindhoven and the university. The International Relations Office will not only assist you in making a number of practical arrangements before you arrive in Eindhoven, but helps after your arrival during the two-week TU/e Introduction Program. Known throughout the university as the TIP, the TU/e Introduction Program is obligatory for all new international students and contains activities and events designed to introduce you to life in the Netherlands and Eindhoven, and to studying at the TU/e.

Amandus H. Lundqvist Scholarship Program

(formerly known as the TU/e Talent Scholarship Program)
Each year a considerable number of scholarships are awarded by TU/e partnered by top international technology companies. Currently ASML, NXP, Océ, Philips and Bosch are all involved in the Amandus H. Lundqvist Scholarship Program (ALSP), named in honor of the former TU/e President. The scholarships are awarded to students with the best grades in their previous education at renowned universities outside the Netherlands.

The scholarship covers a period of five years: two years studying for your Master degree at TU/e and three years working for the company that sponsors your scholarship. In this way you will also gain international work experience and increase your career opportunities.

The scholarships will be awarded to highly talented international students who have an excellent academic record, a high score in the selection tests and in English proficiency.

The TU/e will match your academic background and particular skills to the requirements of the international organizations funding your scholarship.

The ALSP scholarship consists of a tuition fee waiver and a contribution to living expenses of 5,000 euro for both of the two years of the Master program. During the three years of your career launching experience, you will earn a competitive salary.

You automatically enter the selection for ALSP if you are admitted to a TU/e Master program having submitted your application before the scholarship deadline of 1 February 2012.

Other scholarships

For information about possible funding and the latest information and advice on scholarships, please check the TU/e website www.tue.nl/scholarships, or visit the general information website www.studyin.nl and www.grantfinder.nl.

Facebook: come and meet us!

If you would like to know more about studying at TU/e or student life in Eindhoven, contact one of our TU/e students through the Facebook group of the International Students Team at TU/e. They will be able to tell you all about life as a TU/e student.

More information

If you wish to know more about TU/e Master programs or have any questions regarding admission, tuition fees, scholarships or other matters that are relevant to your stay in the Netherlands, please visit: www.tue.nl/education or contact the Education and Student Service Center/International Relations Office: phone: +31 (0) 40 247 47 47, e-mail: io@tue.nl.

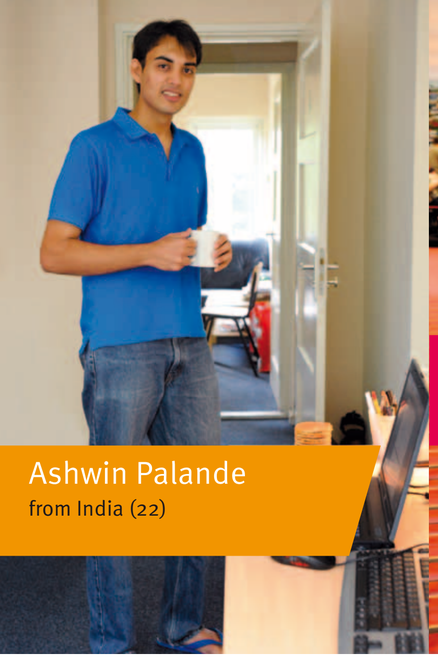
TU/e Technische Universiteit Eindhoven University of Technology

Introducing myself

Studying at TU/e

Brainport Eindhoven
THE WORLD'S SMARTEST REGION

Where innovation starts



Ashwin Palande
from India (22)

›› “I decided to come to the Netherlands because my sister already lives here. My friends from India all applied to universities in the United States of America. They thought there would be language barriers in Europe. But I’ve experienced otherwise in the Netherlands. I have no regrets coming to this country at all. I have never had language problems anywhere. Everybody speaks English and people are very friendly.

“As a TU/e student you’re close to the latest technology developments.”

TU/e is a place with an open, friendly and informal atmosphere. The education level is of high quality. You have to work hard for your study to gather all the necessary credit points, but the first year of the Embedded Systems Master program has exceeded my expectations. I like the hands-on mentality of this program and as a TU/e student you’re close to the latest technology developments. All of the professors in our program are directly involved with research at TU/e, which ranks worldwide first in research with industry.

In summer holiday I will go back to India to meet my friends and family. Of course I miss them. But in Europe there are more opportunities for me to find a good job. After getting my Master of Science degree, I intend to work in the Netherlands. Eindhoven is one of the leading technology centers in Western Europe and the main seat of companies like Philips, ASML and Océ. As a student you can benefit from the presence of high-tech companies. An advantage for me to find a job could be the close contacts our professors have with the industry.” ‹‹

Oscar Perez Vega
from Mexico (31)

›› “The silent room in the main library on the TU/e campus is my favorite study place. There’s good light and the desks are big enough to put all your things on. I think I work 50 hours a week on my Innovation Management Master program. After the Bachelor program which I finished in Mexico, I had been working for five years. To sit, read and focus on what you read was a real challenge for me at the start of my study. Now I’m used to it.

During the first semester I worked in groups on several assignments. My fellow students come from Indonesia, China, Italy and Turkey. It’s nice to meet all these people from different cultures. Working with Dutch students appeals to me because they have a good attitude towards work. The Dutch students start early in the morning and work fast. They get nervous when the deadline approaches.

“Working with Dutch students appeals to me, they have a good attitude towards work.”

Since my wife is getting her PhD degree at TU/e, we have to stay for two years. So I followed a Dutch language course. The first phrases I learned are ‘Hoe gaat het?’ and ‘Hoe laat is het?’. This means ‘How are you?’ and ‘What’s the time?’. It’s nice to recognize some words when you listen to the radio or read a newspaper.
Coming to the Netherlands changed my life in a positive way. I study on a good university, I learn a lot every day and I’m pleasantly surprised by the amount of friends that I have made here in such a short time. For me it’s no problem to stay here for another two years.” ‹‹

Yaqing Sun
from China (24)

›› “Studying at TU/e means a lot of hard work. Last night I went to bed around two in the morning. I’m very busy with several assignments at the moment. Sometimes it’s hard to cope with my time. But it is doable. The education level of TU/e absolutely exceeds my expectations. The courses are very interesting and professors are really dedicated. TU/e is a well-recognized technical university in Europe, which is one of the reasons why I came here. I have not been disappointed so far.

“The education level of TU/e absolutely exceeds my expectations.”

To relax I assemble picture puzzles at home or go out eating with my friends in the city center. Eindhoven is a relatively small city and I see a lot of advantages to it. The city is quite and has no distraction from my study. Eindhoven has a good technical atmosphere and the central location offers a perfect base for exploring other parts of the Netherlands and even parts of Europe. I hope I will soon have time to see more of this country. I have already visited Amsterdam and the Walibi World amusement park. In the summer I definitely want to go to the North Sea.

What I miss most about my home country are the daily things. Like getting a taxi when you need it and going to a restaurant when you want something delicious. In China this is very cheap. Here it’s very expensive. Mostly I cook at home, sometimes with my friends and then we eat together. Back home eating is an important activity. Chinese people used to have big dinners and spend time on eating with family. Dutch people eat fast. But I have to admit, being a student in TU/e, I’m often busy so I prefer easy meals with rice or noodles and eat it fast.” ‹‹

Cem Hazar
from Turkey (23)

›› “I have been living in the Netherlands for a year now. In Eindhoven there are a lot of Turkish students. Of course, I meet with them and it’s nice to speak my native tongue. But I am following a Dutch language course because I would like to stay here for a while when I finish my Master program. I like living in the Netherlands because it’s socially and culturally open.

I live in an on-campus space cabin specifically for international students. It’s quite an experience. Some people think you must feel lonely at the campus. Well, in the weekend it’s very quiet but then I get together with other residents to watch movies or play games. You can always call your neighbor if you need something. In that way it feels like home.
The TU/e campus is near the Eindhoven city center. Eindhoven is a relatively small city but it has all the facilities you could wish for. For example, there are Turkish shops where I can get my groceries and there are a lot of restaurants. On Thursday and Friday nights I hang out with my friends in the pubs in the entertainment district known as Stratumseind.

“I follow a Dutch language course because I would like to stay here for a while.”

If there’s time beside my study I play volleyball in the Students Sport Center. When I joined the team, there were only Dutch members so the training was given in Dutch. Now every training is in English and in the meantime there are more international students. That proves that Dutch people are very open and friendly. Becoming involved with them gives me a good feeling. I feel quite at home here.” ‹‹

Stefania Rusu
from Romania (24)

›› “One of the reasons for applying to TU/e was the scholarship they offered me. Because of that I can afford my study. You have to maintain your scholarship by getting 60 credit points throughout the year. That means hard work the whole year. But if you get stuck there is always someone to help. Because of the friendly and informal atmosphere at the university it’s easy to make contact with lecturers and other staff. And, of course, I can share my thoughts with other students in my group. We get along well.

“Because of the informal atmosphere it’s easy to make contact with lecturers.”

My introduction at TU/e started with the TU/e Introduction Program. When you arrive at the university, everything is arranged. TU/e provides accommodation, food and a lot of interesting activities. They also organized a social activity when we all went bowling. That’s were you blend in with other international and Dutch students.

The International Relations Office helped me to make the necessary arrangements for settling in Eindhoven. They provide accommodation and offer support by opening a bank account, making insurance arrangements and getting a residence permit application. You get all the necessary information about living in the Netherlands.
But there are some things you have to discover yourself. I’m still surprised by some of the eating habits of the Dutch. For example they eat fast-food snacks out of the wall. And they eat a lot of bread with cheese. But the Dutch cheese is okay. I like it.” ‹‹

Vanessa Restrepo Uribe
from Colombia (26)

›› “The reason for me to study abroad is that I wanted to have my education in a developed country. I also wanted to know other cultures and to take a program totally taught in English.
After I finished the Bachelor program in Information Systems Administration at the National University of Colombia, I decided to get a Master of Science degree. I applied to a university in Germany for the Technology and Innovation Management course but they couldn’t offer me a scholarship. Fortunately TU/e could. I’m happy to be here, especially given the high international ranking of the university, which is something very important to me.

“The Carnival festival is a totally crazy experience and nice to see.”

I’m studying the two-year Master degree in Business Information Systems. The first year of the program has exceeded my expectations so far. It’s less theoretical than I had expected. We work in groups on several assignments to solve relevant problems. I have good contacts with my fellow students and we can always easily contact the professors.
My favorite spot to study at TU/e is the ICTheek library. Since absolute silence is not required there, the ICTheek is ideally suited for working on assignments that involve discussion and conference.

I like being in the Netherlands because everything is well organized and people are very efficient. I was very surprised about the Dutch behavior during the popular Carnival festival in February. Everybody is happy and wears crazy costumes. People dance very oddly to strange music, and everybody has a great time. A totally crazy experience and nice to see.” ‹‹