that solution is not working.’

Finding a solution to a problem, but about understanding why.

At least: research is continuously frustrating: it’s not about
touching your work yet. The last but certainly not
least: lesson I learned so far is that presenting your work is half of
the technical experience and communication skills.

An important

The DTI programme offers a bridge between university studies
and the labor market. It’s very dynamical, you gain a lot of
experience.

The final stage of the programme you will do a three months
internship. During my one-year project, I worked for a hospital in
environments. First, during the curricular part, you are
exposed to technologies, practical design experience (industry) and project
assignments in industry by doing a ‘mini-project’, which
allows you to apply the experience gained during the one-year project
because of its competitive atmosphere. However, other companies
may be individually chosen as well: e.g. China

Second phase: industry design project

The next phase, the one-year project, is spent entirely in
industry working on a challenging and innovative technolog-
al task – a real problem that needs to be solved.

First phase: university courses and assignments

During the first phase of six months of the DTI programme
you will be exposed to several courses, scientific as well as
as an management level, which broadens and deepens your existing knowledge. You’ll be searching for the
assignments in industry by doing a ‘mini-project’, which
allows you to apply the experience gained during the one-year project.
In technical-consultant companies include project
management and professional development.

Getting professional experience is a

So you are supported by scientific knowledge (university),
and professional design experience (industry) and project
management expertise.

Gradual Trainee

I am still in touch with Bradford Engineering.
I can not be to do a flying

Fact to a higher level.

During the DTI programme you are exposed to technologies and
will be actively involved in applying them: on a level,
that would never be possible if you would continue to stay in industry immediately
after your Master’s. To gain the same
experience would open, if possible at all, some three
years in industry.

The DTI programme is unique: dedicated courses, industrial assignments, management team
members, professional consultants in industry.

Students work in a short period of time and in a different environment on a
completely new subject.

The last part of the programme is an international internship
which is mandatory. There you will be exposed to
international fare or conference. During the one-year project or during the international
internship you visit an international fare or conference.

The programme is open to university MSc graduates in Physics, Electrical or Mechanical Engineering, Biomedical Technology
or similar disciplines, with a high grade for the MSc-research project. Experimental experience gained in laboratories is
important. The candidate must be fluent in English, in writing and speaking.

The multidisciplinary DTI programme further under
the responsibility of the Department of Applied Physics of
Eindhoven University of Technology.

Final assignment: international internship

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The multidisciplinary DTI programme further under
the responsibility of the Department of Applied Physics of
Eindhoven University of Technology.
Is Design and Technology of Instrumentation the right programme for me? What does it look like? How can I apply for a place in the programme? Will I be admitted with my prior education?

For the answers to these and many more questions, visit: www.3tu.nl/sai/dti

Or contact us directly: sai.dti@tue.nl

Eindhoven

The Eindhoven region located in the southeast of the Netherlands is internationally recognized as a center for advanced technology and is characterized by knowledge and creativity. Eindhoven holds a strategic position as one of Western Europe’s leading technology centers. Many global companies have established research, development and production facilities near Eindhoven. Eindhoven is a combination of a cultural and sporting facility, hiking, cycling and lots of opportunities for other outdoor activities.

Eindhoven can be reached easily by public transport, its own international airport and has an excellent train connection direct into the departure hall of Amsterdam Schiphol Airport. You can find more information about Eindhoven at www.eindhoven.eu

The 3TU School for Technological Design, Stan Ackermans Institute offers two-year postgraduate technological designer programmes. The institute is a joint initiative of the three universities of technology in the Netherlands: Delft University of Technology, Eindhoven University of Technology and University of Twente.

www.3tu.nl/sai/dti

Remco van Dijk
Alumnus DTI
PhD student Molecular Diagnostics, Philips Research

‘I didn’t want to be a scientist who tries to understand the world. I wanted to be an engineer who tries to change the world.’

‘I studied Applied Physics at Delft University of Technology. After finishing my Master I had an offer to join a large company, but I decided to go for a smaller company for two reasons. The first reason was that I wanted to be part of a smaller team so I could contribute more to projects. The second reason was that I was not sure exactly what I was looking for, so I wanted to work for a smaller company that was more flexible. I ended up working as a scientist at a smaller company for four years, and then I went to work for a larger company.

I decided to take a course in Design and Technology of Instrumentation because I wanted to change my role from a scientist to an engineer. I wanted to work for a company that was more flexible and I wanted to work on projects that were more relevant to the real world. I also wanted to work in a company that was more innovative.

I was very happy with my decision and I would recommend it to anyone who is looking for a change in their job.

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Design and Technology of Instrumentation

Post-MSc programme