

Eindhoven University of Technology (TU/e)
The Netherlands

2-year post-master trainee-ship
Automotive Systems Design

Next starting date: September 29, 2014

In 2011 TU/e introduced a Professional Doctorate in Engineering (PDEng) degree programme, specialized in Automotive Systems Design.

This challenging programme is organized by Automotive groups from 5 different TU/e departments in the context of the Dutch 3TU.School for Technological Design.



This 2-year programme focuses on systems design, architecture and engineering in a multidisciplinary setting. The trainees are employed by TU/e. They work on strengthening both technical and non-technical competences related to the effective and efficient design and development of technologies and applications for modern high-tech Automotive Systems in the context of smart mobility societal challenges.

At the university: courses and industry projects

During the first 15 months you learn new technologies and broaden and deepen your knowledge of automotive technologies. About half your time is devoted to projects from industry that are assigned by industrial partners. This part of the programme consists of 5 modules:

- Automotive Systems Engineering
- Hybrid & Electric Driving
- Software Networked Embedded Systems
- Human-centered Design of Automotive Systems
- Vehicle Dynamics

In industry: design project

After the first 15 months, you spend the last nine months in industry working on an individual, challenging and innovative technological design project supervised by engineers and designers from industry as well as by university staff.