

# Favourites



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## Software Technology

Eindhoven University of Technology

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### Course description

Qualification Unknown

Field of study General programmes

Course summary Ready for the next step after your master? Apply for a PDEng position and boost your career. The PDEng ST prepares trainees for the position of software designer & architect

Course description Would you like to work on innovative technological solutions for the high-tech industry, healthcare or other domain? Apply for a position in a Professional Doctorate in Engineering (PDEng) program at TU/e and become an expert at high-level technological design. Almost all programs are taught in English. About the PDEng PDEng positions are 2-year, full-time, paid positions in a wide variety of disciplines. As an employee of TU/e, you will receive a salary. Upon completion of the program, you will be awarded the PDEng degree. The PDEng ST prepares trainees for the position of software designer and architect. The software designer distinguishes him/herself from the software engineer by a.o. the capability for solving software problems of a greater complexity. The two doctorates side by side A PDEng program is on par with a PhD program. The difference is their focus: a PhD is aimed to establish you as a researcher and a PDEng prepares you for a high-level position in industry. A PDEng program is a challenging, balanced combination of theory and practice. Besides following courses you will design an innovative industrial product or process in a large-scale, multidisciplinary setting.

Study Requirements Engineering; System Analysis; System, Software & Hardware Architecture; Distributed Systems; Design of Real-Time Systems; Object-Oriented Analysis & Modelling; Design Patterns; Model Driven Engineering; Workshop System Validation; Workshop



subjects	Real-Time, embedded and concurrent programming; Workshop Entrepreneurship; Data Mining Workshop and Hackathon; Test Methodology & Quality Assurance; Project Management; Professional Development.
Course objectives	To strengthen the competencies of highly motivated and ambitious, recently graduated students and young professionals to be able to effectively and efficiently participate in high performance teams in the field of design and development of software for resource-constrained software-intensive systems (e.g. real-time, embedded or distributed systems) in (Dutch) industry.
ECTS credits	120.00
Duration	24 month(s) full-time
Language of instruction	English
Instruction modes	oral presentation, computer exercise, excursion, tutorial, lecture, design project, group assignment, portfolio, workshop, group discussion, poster presentation, self evaluation, individual assignment, self study, integration module, project, seminar
Accreditation	CCTO

## About the institution

Department	Stan Ackermans Institute
Information about the institution	Eindhoven University of Technology (TU/e) is a research university specializing in engineering science & technology.

## Admission

Admission requirements	<ol style="list-style-type: none"> <li>1. The ST programme offers paid positions, for which candidates have to apply (similar to PhD positions).</li> <li>2. Better than good social and communicative skills, problem-solving attitude, team work has to be favored.</li> <li>3. De kandidaat dient tot de top 15 - 20 % van zijn/haar generatie te horen.</li> <li>4. English proficiency equivalent to an IELTS score of at least 6.5 on average and no score less than 6.0. Results of TOEFL should be at least 550 and no score less than sufficient can be accepted.</li> <li>5. MSc in computer science or a strongly related field with computer science elements. BSc in computer science (excellent scores and &gt; 4 years of relevant experience).</li> <li>6. If BSc level: 4 years significant, and relevant working experience.</li> <li>7. The candidate has to motivate his/her interest in the program.</li> <li>8. The candidate has to provide a significant piece of quality code of their own and should be able to discuss assorted code examples.</li> </ol>
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IELTS listening	6.5
IELTS overall band	6.5
IELTS reading	6.5
IELTS speaking	6.5

Language



requirements IELTS writing 6.5  
TOEFL computer based 213  
TOEFL internet based 90  
TOEFL paper based 550

Professional  
experience  
required -

Duration 24 month(s)  
full-time

Application **Start date EU/EEA Students Non-EU/EEA students**  
deadlines 1 Oct 2019 1 Aug 2019 1 Jul 2019

**Year EU/EEA Non-EU/EEA Institutional**

No tuition fees available.

In short, the following rules apply:

- Tuition fees
- The "EU/EEA rate" is the regular fee for students from within the EU/EEA.
  - The "non-EU/EEA rate" is the rate for students from outside the EU/EEA.
  - The "institutional rate" is for all students who have already obtained a bachelor's or master's degree and who want to start a second programme leading to a degree at the same level or at a lower level.
  - Note that FT, PT and D stand for "full-time", "part-time" and "dual", respectively.

Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships -

For more scholarships, visit: [www.grantfinder.nl](http://www.grantfinder.nl)

Course  
website

[More information about the course](#)

## Contact

**Studie Informatielijn**

studeren@tue.nl

Contact information for the study programme

**Ad Aerts**



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## **Studie Informatielijn**

Contact information for the institution

study info

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+31 (0) 40 247 4747

Course website

[More information about the course](#)

Institution website

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