



# QUALIFIED MEDICAL ENGINEER

## Management Summary

### TWO YEAR POST-MASTER DESIGNER PROGRAM

# TU/e

EINDHOVEN  
UNIVERSITY OF  
TECHNOLOGY

## Qualified Medical Engineer (QME)

*Designing safe and efficient implementation of medical technology in clinical practice*

**Post-master designer program**, supplied by TU/e School of Medical Physics and Engineering (SMPE/e)

<b>End terms:</b>	A post-academically trained professional on: <ul style="list-style-type: none"><li>• improvement of clinical care through the introduction of new and existing technology</li><li>• improvement of the use of medical technology in daily clinical care</li></ul>
<b>Set up:</b>	“healthcare-based, university managed”
<b>Duration:</b>	2 years
<b>Target group:</b>	Academic professionals, such as (biomedical) engineers [MSc and similar]

### Financials

<b>Employer:</b>	1.0 FTE appointment (for minimal two years) in the research group (as a TOIO: technological designer in training) or at the healthcare institute/medical company, depending on the funding
<b>Training costs for employer:</b>	€ 5,000 per trainings year
<b>Training costs for university:</b>	€ 50,000

### Selection of candidates

Candidates are selected in a joint procedure, where the fitness for the design project and the designer program are established. The final selection is performed by the employer.

Present employees can also enter the program, but first have to be admitted to the program.

### Overall structure of the program

<b>Supervision:</b>	By university and involved healthcare institute(s)/company
<b>Courses and workshops:</b>	Approx. 800 hours
<b>Projects:</b>	Several projects: <ul style="list-style-type: none"><li>• including one major design project (approx. 1,600 hours)</li><li>• external project (approx. 400 hours) in other organization</li></ul>
<b>Total time:</b>	2 years