



# 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) at the company
<b>Training costs for employer:</b>	0 k€
<b>Training costs for university:</b>	60 k€

### 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.

### Overall structure of the program

<b>Supervision:</b>	By employer and university
<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. 1600 hours)</li><li>• external project (approx. 400 hours) in other organization (for instance the involved healthcare institute(s))</li></ul>
<b>Total time:</b>	2 years