

# MSc Technical Medicine - 2024-2025

Kwartaal 1  
sep – nov

Kwartaal 2  
nov – jan

Kwartaal 3  
feb – april

Kwartaal 4  
april – juli

Jaar 1

## Imaging & Intervention

Advanced image acquisition  
TM11001 | 5 EC

Radiation protection  
TM11003 | 5 EC

Radiation therapy  
TM11004 | 5 EC

Biomaterials and tissue biomechanics  
TM11007 | 5 EC

Image guided interventions  
TM11006 | 5 EC

Advanced image processing  
TM11005 | 5 EC

Molecular imaging and therapy  
TM11002 | 5 EC

Computer assisted reconstructive surgery  
TM11008 | 5 EC

## Sensing & Stimulation

Advanced signal acquisition  
TM12001 | 5 EC

Electrostimulation of neurophysiological systems  
TM12003 | 5 EC

Advanced signal processing  
TM12005 | 5 EC

Sensing and stimulation of circulation and ventilation: acute and chronic care  
TM12007 | 10 EC

Drug sensing and delivery  
TM12004 | 5 EC

Sensing of neurophysiological signals  
TM12002 | 5 EC

Extramural sensing and virtual stimulation  
TM12006 | 5 EC

## Common courses

Patient cases 1, 2 & 3  
TM10006 | 7.5 EC

Python programming  
TM10002 | 2.5 EC

Machine learning  
TM10007 | 2.5 EC

Patient cases 4, 5  
TM10006

Quality, Safety and UX in Healthcare  
TM10010 | 3 EC

Quality, Safety and UX in Healthcare  
TM10010

Medical skills in daily practice  
TM10004 | 3 EC

Medical skills in daily practice  
TM10004

BROK  
TM10003 | 1.5 EC

Jaar 2

TM Clinical internship 1/2/3/4  
TM20005/6/7/8 | 14 EC

TM Clinical internship 1/2/3/4  
TM20005/6/7/8 | 14 EC

TM Clinical internship 1/2/3/4  
TM20005/6/7/8 | 14 EC

TM Clinical internship 2/3/4  
TM20006/7/8 | 14 EC

Skills in acute settings  
TM20011 | 2 EC

Employability in Clinical Technology  
TM20010 | 2 EC

Jaar 3

**Elective course**  
Practical internship TM30001  
Thesis feasibility study TM30002  
Elective courses  
15 EC

Literature study  
TM30003 | 10 EC

Master thesis  
TM30004 | 35 EC