

Master Programme Technical Medicine

2023-2024

	Period 1 Sept - Oct (1A)	Period 2 Oct - Nov (1B)	Period 3 Nov - Dec (2A)	Period 4 Dec - Jan (2B)	Period 5 Feb - Mar (3A)	Period 6 Mar - Apr (3B)	Period 7 Apr - May (4A)	Period 8 May - Jun (4B)
Year 1	Imaging & Intervention							
	Advanced image acquisition TM11001 5 EC	Molecular imaging and therapy TM11002 5 EC	Radiation protection TM11003 5 EC	Radiation therapy TM11004 5 EC	Biomaterials and tissue bio-mechanics TM11007 5 EC	Image guided interventions TM11006 5 EC	Advanced image processing TM11005 5 EC	Computer assisted reconstructive surgery TM11008 5 EC
	BROK* TM10003 1,5 EC	Patient case 1, 2 & 3 TM10006 4,5 EC		Python programming TM10002 2,5 EC	Machine learning TM10007 2,5 EC	Patient case 4, 5 TM10006 3 EC		
	Medical skills in daily practice* TM10004 3 EC			Patient journey TM10008 1 EC			Skills in acute setting* TM10009 2 EC	
Year 2	Sensing & Stimulation							
	Advanced signal acquisition TM12001 5 EC	Sensing of neuro-physiological systems TM12002 5 EC	Electrostimulation of neuro physiological systems TM12003 5 EC	Drug sensing and delivery TM12004 5 EC	Advanced signal processing TM12005 5 EC	Extramural sensing and virtual stimulation TM12006 5 EC	Sensing and stimulation of circulation and ventilation: acute and chronic care TM12007 10 EC	
	BROK* TM10003 1,5 EC	Patient case 1, 2 & 3 TM10006 4,5 EC		Python programming TM10002 2,5 EC	Machine learning TM10007 2,5 EC	Patient case 4, 5 TM10006 3 EC		
	Medical skills in daily practice* TM10004 3 EC			Patient journey TM10008 1 EC			Skills in acute setting* TM10009 2 EC	
Year 2	TM Clinical internship 1** TM20005 14 EC		TM Clinical internship 2** TM20006 14 EC		TM Clinical internship 3** TM20007 14 EC		TM Clinical internship 4** TM20008 14 EC	
	Medical technology in clinical practice (MTK) TM20009 4 EC							
Year 3	Elective course		Literature study *** TM30003 10 EC		Master thesis *** TM30004 35 EC			
	Practical internship *** TM30001							
	Thesis feasibility study *** TM30002							
Elective courses 15 EC								

* Course is given throughout the year, see the Study guide for more information.

** Internships start every three months, see the Study guide for up-to-date start dates.

*** TM3 course periods and sequence vary per student, see the Study guide for more information.



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Leiden

