Track 3 Healthcare

	A	B	C	D	E
Quarter 1	6a. 5CTA0 Statistical signal processing		1. 5ARB0 Data acquisition and analysis	3. 5ARA0 Software engineering for artificial intelligence	2. 5ARC0 Human and ethical aspects of AI
		T4 8DM50 Machine learning in medical imaging and biology	T3 8DC00 Medical image analysis		
Quarter 2	4b. 5ARD0 Control principles for linear systems			5a. 5SSD0 Bayesian machine learning and information processing	
	T1 2DBM90 Applied biostatistical modelling	T2 5LSB0 Monitoring of respiration and circulation	T1 3MT160 Introduction to NMR/MRI for imaging and flow visualisation	T1 8TM10 Orthopaedic Soft Tissues: biomechanics and mechanobiology	T1 3MN170 Molecular biosensing
			T3 5LIV0 Video health monitoring	T1 8VM60 Ultrasound in the (bio)medical engineering	T2&3 5LSH0 Computer vision AI and 3D Data Analysis
	5XSL0 Fundamentals of machine learning		5LIQ0 Linear systems, signals and control		2DL70 Probability and Statistics
Quarter 3		6a. 5CTA0 Statistical signal processing		4a. 4CM40 Physical and data-driven modelling	
		6b. 4DM20 Engineering optimization			
	T3 8DM20 Capita selecta in medical image analysis	T3 8DM20 Capita selecta in medical image analysis		T3 5LSJ0 Image analysis for health-care technologies	T4 5LSM0 Neural networks for computer vision
	T1&2 5LSC0 Biomedical sensing technology	T1 5SSC0 Adaptive array signal processing			
	T2 1JM40 Behavioral operations management	T1 8CM00 Systems medicine			
	5EPD0 Physics for EE			JBI050 Data management for data analytics	
			Team Internship		
Quarter 4			5b. 1BM120 Decision making with artificial and computational intelligence		
	T1 3MA100 Physics behind medical technology: equipment and physiology		T2 0HM280 Human-robot interaction		T2 5LTC0 Brain-inspired optical computation
	T4 8DM50 Machine learning for signal processing				
	5EZB0 Math 2				
	Team Internship				

Legend: Core courses | Specialization courses | Homologation | Team Internship

T1 Domain-specific knowledge | T2 AI in Engineered Systems | T3 Data Cultivation | T4 Learning and Intelligence

Last year offered

The specialization courses and the core course 6a 5CTA0 Statistical signal processing can be taken in Year 2 as well.
Keep in mind that the graduation project AI&ES is scheduled in Q2-Q4 Year 2.