

Track 2 Mobility

	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
		T1 4CM10 System theory for control	T4 0HM310 Automotive societal factors T1 4CM00 Control engineering	T1 8CM00 Systems medicine	
Quarter 2	4b. 5ARD0 Control principles for linear systems			5a. 5SSD0 Bayesian machine learning and information processing	
	T1&2 1CM110 Decision-making in transport and mobility			T1 4SC000 Optimal control and reinforcement learning	T2&3 5LSH0 Computer vision AI and 3D Data Analysis
	T1 4DM10 Multibody and non-linear dynamics				
	5XSLO 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			
	T4 1JM40 Behavioral operations management		T3 5SMB0 System identification		T1 4CM00 Control engineering
	T1 5LMC0 Model predictive control		T3 2IX30 Responsible Data Science		T1&4 4CM120 Data-based optimization of control systems
	5EPD0 Physics for EE			JBIO50 Data management for data analytics	
			Team Internship		
Quarter 4			5b. 1BM120 Decision making with artificial and computational intelligence		
		T1&2 4AT080 Vehicle control	T1&2 4AT030 Advanced full-electric and hybrid powertrain design	T1 4AT070 Advanced control for future heavy-duty powertrains	T4 4AI000 Machine learning for multi-physics modelling and design
		T1&2 24DM70 Analysis and design of networked dynamical systems			
		T4 5SC28 Machine learning for Systems and control			
	5EZB0 Math 2				
	Team Internship				

Legend:

Core courses	Specialization courses	Homologation	Team Internship
T1	T2	T3	T4
Domain-specific knowledge	AI in Engineered Systems	Data Cultivation	Learning and Intelligence

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.