

Track 6 Manufacturing systems

	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. 5ARCO Human and ethical aspects of AI
	T2 1CM290 Maintenance Optimization and Engineering			T1 1CM160 Manufacturing technology	
Quarter 2	4b. 5ARD0 Control principles for linear systems			5a. 5SSD0 Bayesian machine learning and information processing	
				T2 1CM10 Modeling and analysis of manufacturing systems	T2 4CM70 Integrated system design
				T4 4SC000 Optimal control and reinforcement learning	
	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		T2 1CM100 Multi-echelon inventory management	T2 4SC080 Supervisory control of cyber physical systems	
	T3 2DI66 Advanced simulation		T3 1BM110 Data-driven artificial intelligence	T4 1CM240 Artificial intelligence for logistics and its interfaces	
	5EPD0 Physics for EE			JBI050 Data management for data analytics	
					Team Internship
Quarter 4			5b. 1BM120 Decision making with artificial and computational intelligence		
	T2 4DM40 Modeling and control of manufacturing networks	T2 1CM310 Design for smart industry	T4 0HM280 Human-robot interaction		
	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

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.