

AT programme 2019-2020

	M1: 201700090 Hemmes Mechanics	M2: 201700091 Ter Brake Thermodynamics	M3: 201900099 Koster Fundamentals of Materials	M4: 201900283 Marsman/Wormeester Dynamics
First year (cohort 2019)	Calculus 1 (4.0 EC)	Calculus 2 (3.0 EC)	Vector Calculus (3.0 EC)	Linear Algebra (3.0 EC)
	Mechanics (4.5 EC)	Thermodynamics (4.5 EC)	Structure and Properties of Materials (incl Project) (6.0 EC)	Dynamical Systems (4.0 EC)
	Laboratory practice (3.5 EC)	Laboratory practice (3.5 EC)	Quantum Matter (3.0 EC)	Basic Electronics and Instrumentation (4.0 EC)
	Project Mechanics (3.0 EC)	Project Thermodynamics (4.0 EC)	Organic Chemistry (3.0 EC)	Project Accelerometer (4.0 EC)
Second year (cohort 2018)	M5: 201900096 Marsman/Wormeester Signals, Models & Systems	M6 Elective module*	M7: 201700143 van den Beld Fields & Waves	M8: 201900100 de Weerd-Nederhof Business & Society
	Signals (4.0 EC)	Materials Science and Engineering 201800129	Finite Element Methods (3.0 EC)	Entrepreneurship & Innovation Management (6.0 EC)
	Models (4.0 EC)	Physical Transport 201900146	Electro- and Magnetostatics (9.0 EC)	Data, Statistics and Probability for Engineers (5.0 EC)
	Elective (4.0 EC) - Engineering Solid Mechanics - Programming in Engineering - Classical Mechanics	Systems and Control for AT 201700076		Socio-technical Futures (4.0 EC)
Project SMS (3.0 EC)	Software Systems 201700117 & Introduction to Mathematical Analysis 201400385	Project Antenna (3.0 EC)		
Third year (cohort 2017)	M9 Master Preparation	M10 Master Preparation	M11 Master Preparation	M12: 201700099 Hemmes BSc Assignment
	Choice: Check master admission requirements on AT webpage Offered by the AT Programme: Condensed Matter Physics for AT 201800130	Choice: Check master admission requirements on AT webpage	Choice: Check master admission requirements on AT webpage Offered by the AT programme: Micro System Design & Realization 201700098 Choice: Preparation BSc Assignment (4.0 EC)	Scientific/Design (6.0 EC) Communication (4.5 EC) Work process (4.5 EC)

* Detailed information can be found on the next page.

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	Module 6a: 201800129 Mark Huijben	Module 6b: 201900146 Wim Brillman	Module 6c: 201700076 Gijs Krijnen	Module 6d: 201700117 Luis Ferreira Pires
	Materials Science and Engineering	Physical Transport	Systems and Control for AT	Software Systems
Module 6 choices	Advanced Materials (3.5 EC)	Physical Transport Phenomena (7.5 EC)	Electronics (4.0 EC)	Design Theory (2.0 EC)
	Fundamentals of Solids (3.5 EC)		Engineering System Dynamics (4.0 EC)	Programming Theory (4.0 EC)
	Chemistry and Technology of Materials (4.0 EC)	Project Num. Modelling (3.5 EC)	Control Engineering (4.0 EC)	Design Project (2.0 EC)
	Elective: Semiconductor Devices / Physical Chemistry of Interfaces (4.0 EC)	Lab course PTP (4.0 EC)	Project (3.0 EC)	Programming Project (4.0 EC)
			201400385 Introduction to Mathematical Analysis (3.0)	
		This module is coordinated by the Chemical Science and Engineering programme.		This module is coordinated by the Technical Computer Science programme.