

AT programme 2018-2019

	M1: 201700090 Hemmes	M2: 201700091 Ter Brake	M3: 201700092 Koster	M4: 201700093 Marsman/Wormeester
First year (cohort 2018)	Mechanics	Thermodynamics	Fundamentals of Materials	Dynamics
	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)	Materials (9.5 EC)	Dynamical Systems (4.0 EC)
	Laboratory practice (3.5 EC)	Laboratory practice (3.5 EC)		Instrumentation (4.0 EC)
Project Mechanics (3.0 EC)	Project Thermodynamics (4.0 EC)	Analyzing Technology in Society (2.5 EC)	Project Accelerometer (4.0 EC)	
Second year (cohort 2017)	M5: 201800128 Wormeester	M6	M7: 201700143 de Jong	M8: 201700144 Stienstra
	Signals, Models & Systems	Choice*	Fields & Waves	Business & Society
	Signals (4.0 EC)	Materials Science and Engineering 201800129	Finite Element Methods (3.0 EC)	System Engineering (6.0 EC)
	Models (4.0 EC)	Transport Phenomena 201400162	Electro- and Magnetostatics (9.0 EC)	Entrepreneurship and Innovation Management (4.0 EC)
Elective (4.0 EC) - Engineering Solid Mechanics - Programming in Engineering - Classical Mechanics	Systems and Control for AT 201700076	Project Antenna (3.0 EC)		Societal Embedding of Innovation (5.0 EC)
Project SMS (3.0 EC)	Software Systems 201700117 & Introduction to Mathematical Analysis 201400385			
Third year (cohort 2016)	M9	M10	M11	M12: 201700099 Hemmes
	Master Preparation	Master Preparation	Master Preparation	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	Scientific/Design (6.0 EC)
			Choice: Preparation BSc Assignment (4.0 EC)	Communication (4.5 EC)
			Work process (4.5 EC)	

* Detailed information can be found on the next page.

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Module 6 choices

Module 6a: 201800129 Materials Science and Engineering	Module 6b: 201400162 Transport Phenomena	Module 6c: 201700076 Systems and Control for AT	Module 6d: 201700117 Software Systems
Advanced Materials (3.5 EC)	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)	Numerical Methods (3.75)	Control Engineering (4.0 EC)	Design Project (2.0 EC)
Elective: Semiconductor Devices / Physical Chemistry of Interfaces (4.0 EC)	Project (3.75 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.