

# AT programme 2017-2018

First year (cohort 2017)	M1: 201700090 Hemmes <b>Mechanics</b>	M2: 201700091 Ter Brake <b>Thermodynamics</b>	M3: 201700092 Koster <b>Fundamentals of Materials</b>	M4: 201700093 Marsman/Wormeester <b>Dynamics</b>
	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 (3.0 EC)	Project (4.0 EC)	Analyzing Technology in Society (2.5 EC)	Project Accelerometer (4.0 EC)	
Second year (cohort 2016)	M5: 201700095 Wormeester <b>Signals, Models &amp; Systems</b>	M6 <b>Choice</b>	M7: 201700143 de Jong <b>Fields &amp; Waves</b>	M8: 201700144 Stienstra <b>Business &amp; Society</b>
	Signals & Models (10.0 EC)	<b>1) Materials Science and Engineering 201700097</b> - Advanced Materials (5.0 EC) - Chemistry and Technology of Inorganic Materials (5.0 EC) - Semiconductor Devices (5.0 EC) - Physical Chemistry of Inter. (5.0 EC)	Finite Element Methods (3.0 EC)	System Engineering (6.0 EC)
	System Analysis (2.0 EC)	<b>2) Transport Phenomena 201400162</b> - Transport Phenomena (7.5 EC) - Numerical Methods (3.75 EC) - Project (3.75 EC)	Electro- and Magnetostatics (9.0 EC)	Entrepreneurship and Innovation Management (4.0 EC)
	Project SMS (3.0 EC)	<b>3) Systems and Control for AT 201700076</b> - Electronic Basic Circuits and Functions (4.0 EC) - Engineering System Dynamics (4.0 EC) - Control Engineering (4.0 EC) - Project (3.0 EC)	Project Antenna (3.0 EC)	Societal Embedding of Innovation (5.0 EC)
Third year (cohort 2015)	M9 <b>Master Preparation</b>	M10 <b>Master Preparation</b>	M11 <b>Master Preparation</b>	M12: 201700099 Hemmes <b>BSc Assignment</b>
	Choice: Check master admission requirements on AT webpage  Offered by the AT Programme: Science 201700072	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)