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AT programme 2020-2021

First year (cohort 2020)

M1: Becht 202000610	M2: to be determined 202000614	M3: Koster 202000618	M4: Marsman 202000622
Mechanics	**Thermodynamics**	**Fundamentals of Materials**	**Dynamics**
Calculus 1 * (202001212) (4.0 EC)	Calculus 2 * (202001216) (3.0 EC)	Vector Calculus * (202001230) (3.0 EC)	Linear Algebra * (202001208) (3.0 EC)
Mechanics * (202000611) (4.5 EC)	Thermodynamics * (202000615) (4.5 EC)	Structure and Properties of Materials * (202000619) (6.0 EC)	Dynamical Systems * (202000623) (4.0 EC)
Lab Practice and Programming Skills 1 (202000612) (3.5 EC)	Lab Practice and Programming Skills 2 (202000616) (3.5 EC)	Quantum Matter * (202000620) (3.0 EC)	Basic Electronics and Instrumentation * (202000624) (4.0 EC)
Project Mechanics (202000613) (3.0 EC)	Project Thermodynamics (202000617) (4.0 EC)	Organic Chemistry * (202000621) (3.0 EC)	Project Accelerometer * (202000625) (4.0 EC)

Second year (cohort 2019)

M5: Marsman 202000690	M6	M7: van den Beld 202000651	M8: de Weerd-Nederhof 202000655
Signals, Models & Systems	**Elective module****	**Fields & Waves**	**Business & Society**
Signals * (202000627) (4.0 EC)	Materials Science and Engineering	Finite Element Methods * (202000652) (3.0 EC)	Entrepreneurship & Innovation Management * (202000656) (6.0 EC)
Models * (202000628) (4.0 EC)	Transport Phenomena	Electro- and Magnetostatics * (202000653) (9.0 EC)	Data, Statistics and Probability for Engineers * (202000657) (5.0 EC)
Elective * (4.0 EC): - Engineering Solid Mechanics (202000695) - Programming in Engineering (202000630) - Classical Mechanics (202000694) - Electronics (202000644)	Systems and Control		
Project SMS * (202000693) (3.0 EC)	Software Systems	Project Antenna * (202000654) (3.0 EC)	Socio-technical Futures * (202000658) (4.0 EC)

Third year (cohort 2018)

M9	M10	M11	M12: Hemmes
Master Preparation	**Master Preparation**	**Master Preparation**	**BSc Assignment (202000670)**
Choice: Check master admission requirements on AT webpage Offered by the AT Programme: Condensed Matter Physics for AT (202000659)	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 (202000664)	Scientific/Design
			Communication
		Preparation Bachelor Assignment (202000668) (4.0 EC)	Work process

* Open to students from other educational programmes.

** Detailed information can be found on the next page

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Module 6 choices

Module 6a: Huijben 202000633 **Materials Science and Engineering**	Module 6b: Brilman 202000736 **Physical Transport**	Module 6c: Krijnen 202001139 **Systems and Control**	Module 6d: Ferreira Pires 202001023 **Software Systems**
Advanced Materials * (202000634) (3.5 EC)	Physical Transport Phenomena (202000737) (7.5 EC)	Engineering System Dynamics (202001141) (5.0 EC)	Software Systems (202001024) (12.0 EC) - Design Theory - Programming Theory - Design Project - Programming Project
Fundamentals of Solids * (202000635) (3.5 EC)	Numerical Methods (202000739) (3.5 EC)	Control Engineering (202001140) (5.0 EC)	
Chemistry and Technology of Materials * (202000636) (4.0 EC)	Project Transport Phenomena (202000738) (4.0 EC)	Project Systems and Control (202001142) (5.0 EC)	Introduction to Mathematical Analysis (201400385) (3.0 EC)
Elective * (4.0 EC): - Semiconductor Devices (202000637) - Physical Chemistry of Interfaces (202000638)			
	This module is coordinated by the Chemical Science and Engineering programme.	This module is coordinated by the Electrical Engineering programme.	This module is coordinated by the Technical Computer Science programme.