

## AT programme 2021-2022

	M1: Becht 202000610 <b>Mechanics</b>	M2: Onnink 202000614 <b>Thermodynamics</b>	M3: Koster 202000618 <b>Fundamentals of Materials</b>	M4: Onnink 202000622 <b>Dynamics</b>
<b>First year (cohort 2021)</b>	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)
<b>Second year (cohort 2020)</b>	M5: Onnink 202000690 <b>Signals, Models &amp; Systems</b>	M6 <b>Elective module**</b>	M7: van den Beld 202000651 <b>Fields &amp; Waves</b>	M8: de Weerd-Nederhof 202000655 <b>Business &amp; Society</b>
	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 Antenna * (202000654) (3.0 EC)	Socio-technical Futures * (202000658) (4.0 EC)
Project SMS * (202000693) (3.0 EC)	Software Development			
<b>Third year (cohort 2019)</b>	M9 <b>Master Preparation</b>	M10 <b>Master Preparation</b>	M11 <b>Master Preparation</b>	M12: Hemmes <b>BSc Assignment (202000670)</b>
	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)  Preparation Bachelor Assignment (202000668) (4.0 EC)	Scientific/Design  Communication  Work process

\* Open to students from other educational programmes.

\*\* Detailed information can be found on the next page.

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	Module 6a: Huijben 202000633 <b>Materials Science and Engineering</b>	Module 6b: Brilman 202000736 <b>Physical Transport</b>	Module 6c: Krijnen 202001139 <b>Systems and Control</b>	Module 6d: Ugolino 202001064 <b>Software Development</b>
<b>Module 6 choices</b>	Advanced Materials * (202000634) (3.5 EC)	Physical Transport Phenomena (202000737) (7.5 EC)	Engineering System Dynamics (202001141) (5.0 EC)	System Design (202001065) (4.0 EC)
	Fundamentals of Solids * (202000635) (3.5 EC)	Numerical Methods (202000739) (3.5 EC)	Control Engineering (202001140) (5.0 EC)	Programming (202001066) (8.0 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)	Calculus 1B for BIT (202001194) (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 Business Information Technology (BIT) programme.	