Schematic overview of AT BSc curriculum 2013/2014

B1			
Block 1A	Block 1B	Block 2A	Block 2B
2013xxxxx Man&Machine 15 EC - Mathematics (Differential Calculus) - Dynamics, Statics, Network Analysis - Technology in Societal Context - Project "Sports" (role of mechanical aids in olympic/paralympic sports)	2013xxxxx Thermodynamics 15 EC - Mathematics (Calculus) - Thermodynamics - Laboratory Practice: thermodynamics - Engineering design - Project: design and construct a human powered cooler	2013xxxxx Materials 15 EC - Mathematics (Linear Algebra) - Quantum Phenomena - Materials Engineering - Basic Chemistry - Laboratory Practice: chemistry - Project: Materials	2013xxxxx Advanced Engineering 15 EC - Mathematics (Vector Calculus) - Dynamic Systems (Fourier, Laplace) - Electronics and Instrumentation - Project: design and construct an accelerometer

B2			
Block 1A	Block 1B	Block 2A	Block 2B
2014xxxxx ... 15 EC Under construction	2014xxxxx ... 15 EC Under construction	2014xxxxx ... 15 EC Under construction	2014xxxxx ... 15 EC Under construction

B3			
Block 1A	Block 1B	Block 2A	Block 2B
Mandatory Courses (1 out of 2) **Science specialization:** 201200179 Module Science 15 EC **Engineering specialization:*** 201200176 Systems and Control for Mechatronics 5 EC 201200178 Introduction to the Finite Element Method for AT 5EC 201200177 Manufacturing Systems and Technical Drawing 5EC	*Elective courses, depending on master of choice (15 EC total)* **Science specializations** 201200197 Module Materials Science and Engineering 15EC **Engineering specialization** optional courses depending on master of choice	*Mandatory module 193999010 Bachelor Assignment (15 EC) with related supporting courses/module.*	

* In the future the Engineering module will be organized as one 15 EC course. So far this was prevented by organizational limitations.