

Double Programme Applied Mathematics and Applied Physics

First Year

Quartile 1	AM		AP (201700156)	
21 EC				
	<i>Mathematics A en B1</i>	4 EC	<i>Dynamics & Relativity</i>	5,5 EC
	<i>Linear Structures I (201300312)</i>	6 EC	<i>Experimentation 1</i>	1,5 EC
			<i>Programming & data processing 1</i>	1,5 EC
			<i>Project</i>	2,5 EC

Quartile 2	AM (201700140)		AP	
20,5 EC				
	<i>Mathematics B2</i>	3 EC	<i>Thermodynamics</i>	4,5 EC
	<i>Linear Structures II</i>	3 EC	<i>Programming & data processing 2</i>	1 EC
	<i>Analysis</i>	3 EC		
	<i>Linear Optimization</i>	2 EC		
	<i>Prooflab</i>	4 EC		

Quartile 3	AM (201300182)		AP	
19 EC				
	<i>Signals and Transformations</i>	5 EC	<i>Instrumentation (201600143)</i>	4 EC
	<i>Probability</i>	5 EC		
	<i>Project</i>	5 EC		

Quartile 4	AM (201400535)		AP	
20 EC				
	<i>Vector Calculus</i>	5 EC	<i>Electromagnetism</i>	5 EC
			<i>Project</i>	5 EC
			<i>Quantum Matter (201400635)</i>	5 EC

Second Year

Quartile 5	AM		AP (201700096)	
19,5 EC				
	<i>Statistics (201400357)</i>	5 EC	<i>Models</i>	4,5 EC
	<i>Analysis II (201400358)</i>	5 EC	<i>Systems</i>	2 EC
			<i>Project SMS</i>	3 EC

Quartile 6	AM		AP (201500155)	
15 EC				
	<i>Presentation Skills</i>	2 EC	<i>Quantum Mechanics</i>	6 EC
	<i>201400360</i>		<i>Optics</i>	7 EC

Quartile 7				
21 EC	AM		AP (201600067)	
	<i>Discrete Math. and Algebra</i> 201400483	6 EC	<i>Solid State Physics</i> <i>Statistical Physics</i> <i>PDV</i>	7 EC 6 EC 2 EC

Quartile 8				
19 EC	AM		AP (201600068)	
	<i>Markov Chains (201500520)</i>	4 EC	<i>Physics of Fluids</i> <i>Electrodynamics</i> <i>Num. Meth. for PVD</i>	7 EC 6 EC 2 EC

Third Year

Quartile 9	
15 EC	Minor Profile http://www.utwente.nl/en/education/electives/minor

Quartile 10				
15 EC	AM (201500301)		AP	
	<i>Differential Equations</i>	4 EC		
	<i>Systems Theory</i>	4 EC		
	<i>Numerical Mathematics</i>	4 EC		
	<i>Project</i>	3 EC		

Quartile 11				
15-20 EC	AM		AP	
	<i>10 EC of Electives:</i>			
	<i>Graph Theory (191520751)</i>	5 EC	<i>Heat and Mass Transfer (191470241)</i>	5 EC
	<i>Introduction to PDE (191550105)</i>	5 EC	<i>Physical Materials Science (191420131)</i>	5 EC
	<i>Random Signals and Filtering</i> 201200135	5 EC	<i>Technical Optics (191440201)</i>	5 EC
	<i>Math. Optimization (201500372)</i>	5 EC	<i>Computational Physics 1 (201700176)</i>	2,5 EC
			<i>Computational Physics 2 (201700177)</i>	2,5 EC
	<i>Reflection on research in Math & Phy I</i> 201500566	5 EC	<i>Intro. Instrumentation Comp. (19140705)</i>	2,5 EC
	<i>Bachelor's Assignment research proposal</i>			

Quartile 12				
20 EC	AM		AP	
	<i>Complex Functie Theory (201500405)</i>	3 EC		
	<i>Reflection on research in Math & Phy II</i> 201500567	2 EC		
	<i>Thesis</i>	15 EC		