Double Programme Applied Mathematics and Technical Computer Science

First year

Quartile 1				
21 EC	**AM**		**TCS**	
	Mathematics A en B1	*4 EC*	*Pearls of computer science*	*8 EC*
	Linear Structures I	*6 EC*	*Project*	*3 EC*

Quartile 2				
21 EC	**AM**		**TCS**	
	Mathematics B2	*3 EC*	*Programming Theory*	
	Linear Structures II	*3 EC*	*Programming project*	*8 EC*
	Analysis	*3 EC*		
	ProofLab	*4 EC*		

Quartile 3				
20 EC	**AM**		**TCS**	
	Signals and Transformations	*5 EC*	*Network systems*	*12 EC*
	Probability (part 1)	*3 EC*		

Quartile 4				
19 EC	**AM**		**TCS**	
	Vector calculus	*5 EC*	*Data e& Information*	*12 EC*
	Probability (part 2)	*2 EC*		

Second year

Quartile 5				
15 EC	**AM**		**TCS**	
	Statistics	*5 EC*	*Computer Systems*	*15 EC*

Quartile 6				
18 EC	**AM**		**TCS**	
	Differential Equations	*4 EC*	*Intelligent Interaction Design*	*12 EC*
	Systems Theory	*4 EC*		

Quartile 7				
21 EC	**AM**		**TCS**	
	Discrete Struct & Algorithms	*5 EC*		
	Algebra & Finite Automata	*6,5 EC*		
	Research Project: Similarity	*3,5 EC*		
	Module 3 Project (5 EC) plus Intro to Math Modelling (1 EC)			

Quartile 8				
15 EC	**AM**		**TCS**	
	Stochastic Models	*5 EC*		
	Stochastic Models Project	*1,5 EC*		
	Markov Chains	*2,5 EC*		
	Stochastic Simulation Project	*4 EC*		
	Multidisciplinary Project	2 EC		

Third year

Quartile 9				
10 EC	**AM**		**TCS**	
	Analysis II	*5 EC*		
	Project	*3 EC*		
	Presentation Skills	*2 EC*		

Quartile 10	**Minor Profile**
15 EC	http://www.utwente.nl/en/education/electives/minor

Quartile 11	**Bachelor Assignment**		
15-20 EC	**AM**		**TCS**
	one of the following subjects:		
	Graph theory		*Design assignment*
	Introduction to PDE		
	Random Signals and Filtering		
	Optimisation		
		Reflection on Mathematical Research I	

Quartile 12	**Thesis**		
15-20 EC	**AM**		**TCS**
	Complex Function Theory	*3 EC*	
		Reflection on Mathematical Research II	

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