

	Study program	lectures / seminars (taught in English)	Credit Points
Bachelor	Biomedical Engineering	Numerical Analysis	4
	Computer Science	Foundations and Discrete Structures	6
	Computer and Systems Engineering	Mobile communication networks	3
		Numerical Analysis	4
	Mechanical Engineering	Coating Technology	3
	Mathematics	Numerical Analysis	4
	Media Technology	Numerical Analysis	4
	Optronics	Introduction to solid-state Physics for Engineers	4
	Technical Cybernetics and Systems Theory	Numerical Analysis 2	4
		Systems Theory 1	0
	Technical Physics	Experimental Methods of Physics	4
		Molecule Physics and Spectroscopy	3
		Technical Physics 2a	5
		Technical Physics 2b	5
		Semiconductor	2
		Biophysics	1
		Polymer Physics	1
Industrial Engineering and Management	Analysis of process chains in production	1	
	General Business Administration	Marketing 5/1	4
		Business Management 5	4
	Communications and Signal Processing	Adaptive and Array Signal Processing	5
		Advanced Digital Signal Processing	7
		Advanced Mobile Communication Networks	5
		Advanced Research Project	6
		Cellular Communication Systems	5
		Advanced Topics in Communications and Signal Processing	3
		Measurements in Communications	4
		Audio Coding	5
		Communication Networks	8
		Mobile Communications	8
		Multimedia Standards	3
		Communications Engineering	6
	Information Theory and Coding	5	
	Electrical Power and Control Engineering	Modelling and Simulation in electronic power systems	5
		Protection of electrical networks and plants	5
	Electrical Engineering and Information Technology	Adaptive and Array Signal Processing	5
		Audio Coding	4
		Mobile Communications	5
		Implementation of Broadcasting Systems	5
		Multimedia Singnal Processing	5
		Testing of Wireless Communication Sytems	5
		Digital Broadcasting Sytems	5
		Multirate Singnal Processing	4
		Micro and Nanosystems Engineering	4
	Automotive Engineering	Joining in vehicle construction	4
		Gear Theory	3
	Computer Science	Advanced Mobile Communication Networks	5
		Cellular Communication Systems	5
		Distributed Data Management	5
		Security Engineering	4
	Computer and Systems Engineering	Adaptive and Array Signal Processing	5
Advanced Mobile Communication Networks		5	
Mobile Communications		4	
Implementation of Broadcasting Systems		5	
Mechanical Engineering	Coating Technology	3	
Mathematics and Business Mathematics	Complex networks and their dynamic	0	
	Adaptive and Array Signal Processing	5	
	Mobile Communications	4	
	Integrated Hard- and Software Systems 2	3	
	Integrated Hard- and Software Systems 3	3	
	Global Optimization	4	
	Global Theory of dynamic systems	4	
	Numeric procedures of nonlinear optimization	4	
	Optimization of variable	4	
	Semi-infinite Optimization and Approximation	4	
	Queueing Theory and statistical Quality Control	4	
	Stochastic Processes	5	
	Analysis of dynamic Systems	4	
	Systems Theory 1	0	
	Conservation equations	4	
	Numerics of partial differential equations	4	
	Game Theory	4	
	Graph Theory 1	4	
	Graph Theory 2	4	
			4
		Vector Optimization 1	4
		Vector Optimization 2	4
	Statistical Methods	4	
	Stochastic modells in finance sector	4	

Master

	Stochastic Optimization	4
Media Technology	Adaptive and Array Signal Processing	5
	Audio Coding	4
	Digital Broadcasting Systems	5
	Mobile Communications	4
	Implementation of Broadcasting Systems	5
	Advanced Psychoacoustic	3
	Audio Systems Technology	4
	Hardware Description with VHDL	3
	Digital Signal Processing 2	4
	Multirate Signal Processing	4
	Computer Games	3
Video Coding	4	
Applied Media and Communication Science	Marketing 5/1	4
	Business Management 5	4
	Analysis of newscast perception by eye tracking technique	6
	Beyond Traditional Cybering	10
	Building & Communicating European Identity	10
	Competition, Strategy, and Institution	4
	Cross cultural crisis communication	10
	Human factors in immersive virtual	10
	Human-Robot-Relationships	10
	Media, Migration and Entrepreneurship	10
	Mediatisation of Participation- Chances and Smart Environments	10
	Terrorism as Communication	10
	Managing Strategic Crisis Communication	6
	Marketing 5/1: Services Marketing	4
	Media Economics 1	4
	Mediated Reality	6
	Media Economics 2	4
	Partical data analysis and presentation	6
	Digital Product Placement	6
Digital Public Relations	6	
Media Economics	Marketing 5/1	4
	Business Management 5	4
	Media Economics 1	4
	Media Economics 2	4
Micro- and Nanotechnologies	Nanotechnology	4
	Micro and Nanosystems Engineering 2	5
Miniaturised Biotechnology	Imaging Technics Labor and Analysis Technology	4 3
Optronics	Experimental Methods of Physics	5
	Semiconductor	3
	Laser Physics	4
	Molecule Physics and Spectroscopy	3
Renewable Energy Technology	Surface Physics Technology	3
	Foundations of solar Energy Conversion	5
	Photovoltaics of the 3rd Generation	3
	Thin-film Photovoltaics	6
	Manufacturing Technologies of Solar Industry Energy Systems 2	1 5
Research in Computer & Systems Engineering	Advanced Database Systems	5
	Cellular Communication Systems	5
	Complex Embedded Systems	5
	Systems Otimization	5
	Systems Security	5
	UMTS Networks	5
	Control Engineering	5
	Information Systems	5
	Mobile Communication Networks	5
	Software & Systems Engineering	5
	Theoretical Computer Systems	5
Technical Physics	Complex Networks and their dynamic	3
	Applied Nucelar Physics	0
	Laser Physics	0
	Nanostructure Physics	0
	Problems in modern semiconductor-physics	0
	Experimental Methods of Polymer Analysis	0
Materials Science and Engineering	Introduction to solid-state Physic for Engineers	3
Information Systems Engineering	Marketing 5/1	4
	Business Management 5	4
	Distributed Data Management	5
	Security Engineering	4
	Media Economics 1	4
Industrial Engineering and Management	Marketing 5/1	4
	Business Management 5	4
	Competition, Strategy, and Institution	4
	Adaptive and Array Signal Processing	5
	Nanotechnology	4

