Biomedical Systems Engineering (BMSE)

A) Catalogue CORE	Study Profiles: I. BMSE
Digital Image Processing 1	Х
Medical Acoustics: Audiology and Voice	Х
3. Medical Acoustics: Technologies for Hearing Systems and U	
4. Medical Systems 1: Quantitative Physiology and Life-Suppo	
Systems	Ü
5. Medical Systems 2: Medical Instrumentation and Signal Pro	cessing X
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P) Catalogue ELECTIVE	
B) Catalogue ELECTIVE1. Remaining module of catalogue CORE	Х
Advanced Control Systems	X
Advanced Control Systems Advanced Topics in Signal Processing and Communication	X
Chemical Sensors and Actuators in Silicon Technology	X
5. Digital Image Processing 2	X
6. Digital Speech Transmission 1	X
7. Electronic and Optical Measurement Techniques	X
High Frequency Technology 1	X
9. High Frequency Technology 2	X
10. Identification and Control of Mechatronic Systems	X
11. Microfluidics – Bio-MEMS	X
12. Microwave Electronics	X
13. Modeling of Mechatronic Systems	X
14. Physical Sensors in Silicon Technology	X
15. Power Management in Integrated Circuits	X
16. Psychoacoustics and Methods for Listening Experiments	X
17. Radar Systems	X
18. Robotics and Man-Machine-Interaction 1	X
19. Robotics and Man-Machine-Interaction 2	X
20. Speech and Audio Signal Enhancement	X
21. Technical Acoustics	X
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C) Catalogue LABORATORY	
C) Catalogue LABORATORY 1. Acquestic Virtual Populity	V
1. Acoustic Virtual Reality	X
2. Acoustics	X
3. Analog and Mixed Signal Electronics Analysis and Evaluation of Quoues and Notworks by Moder	X
 Analysis and Evaluation of Queues and Networks by Moder Simulation Tools 	n X
5. Digital Image Processing	
5. Digital illiage i locessing	Y
6 High Frequency Technology Laboratory	X
6. High Frequency Technology Laboratory7. Introduction to Medicine for Scientists and Engineers 1	X X X

9. MATLAB Advanced – Digital Signal Processing	Χ
10. Optimization Lab for Communication and Signal Processing Using	Χ
MATLAB	
11. Radar Laboratory	Χ
12. SMEAGOL – Small Embedded Advanced and Generic Objects	Χ
D) Catalogue PROJECT	
Medical electronics	Χ
2. Other projects offered by FB 6	Χ

Please note that some information may have changed. You can find up-to-date information on RWTHonline.