

Course Structure Diagram 2014-16
International Master's Programme in
Biomedical Engineering: Signal and Image Processing (BME-SIP)
2 years, 120 ECTS credits

Structure of the studies:

Master's Thesis 30 ECTS cr
Advanced Studies 82 ECTS cr
Language Studies 8 ECTS cr

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Course	ECTS cr	Semester
900017Y Survival Finnish Course	2	1/Autumn
900013Y Beginners' Finnish Course 1	2	1/Autumn
900053Y Beginners' Finnish Course 2	4	1/Spring

Advanced Studies 82 ECTS cr

Course	ECTS cr	Semester
521146S Research Methods in Computer Science	5	1/Autumn
521467A Digital Image Processing	5	1/Autumn
041201A Basics in eHealth	5	1/Autumn
521005P Orientation Course for New CSE Students	1	1/Autumn
764664S Analysis and Simulation of Biosystems	6	1/Autumn
521124S Sensors and Measuring Techniques	5	1/Autumn
521337A Digital Filters	5	1/Spring
521107S Biomedical Instrumentation	6	1/Spring
521497S Pattern Recognition and Neural Networks	5	1/Spring
580402S Biomedical Imaging Methods	4	1/Spring
521466S Machine Vision	5	1/Spring
521013S Advanced Practical Training	3	Summer
521149S Special Course in Information Technology	5	2/Autumn
521259S Digital Video Processing	5	2/Autumn
521273S Biosignal Processing	5	2/Autumn
764634S Medical Physics and Imaging	6	2/Autumn
521280S DSP Laboratory Work	5	2/Autumn
521400S CSE Master's Thesis Seminar	1	2/Spring

Master's thesis 30 ECTS cr

Course	ECTS cr	Semester
522987S Master's thesis in Biomedical Engineering	30	2/Spring
521009S Maturity test for Master's Degree	0	2/Spring