

Master Mechatronics TUBS/VGTU**Credits**

Semester 1 at the VGTU	
Fundamentals of scientific Research and Innovation	4
Mechanics of Mechatronic and Robotic System	6
Experimental research of mechatronic systems	9
Method of finite elements in mechanics	5
Final Project 1	3
Free chosen (Choose one)	3

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Semester 2 at the VGTU	
Diagnostics in mechatronics	6
Modeling of mechatronic systems	9
Control systems in mechatronics	6
students project phase 2	3
Free chosen (Choose one)	
Sensors in mechatronics	6
Smart materials in mechatronics	6

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Semester 3 at the TUBS	
Applications of Microsystems Engineering with Laboratory Micromechatronics	11
Adaptronics	5
Vibration measurement technology	5
Application of commercial FE software	5
Soft skills training (free choice e. g. language course)	4

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Semester 4 at the TUBS	
Master's Thesis	30

sum: 120