



List of credits on the specialty “Micro- and Nanosystem Engineering”

<b>BACHELOR</b>		
NAME OF SUBJECTS	SEMESTER	CREDITS
Circuit Theory-1	Autumn	6
Digital Signal Processing (Theory of Signals)	Autumn	6
Physical Fundamentals of Sensor Devices	Autumn	3,5
Materials' Parameters Measurement	Autumn	3
Physical and technological bases of nanoelectronics – 2	Autumn	4,5
Algorithms and Data Structures	Autumn	6
Circuit Theory-2	Spring	4
Digital Signal Processing (Theory of Signals)	Spring	6
Physics of dielectrics	Spring	3
Solid state physics	Spring	6
Quantum Mechanics	Spring	5
Informatics II. Programming and Algorithmic Languages	Spring	3,5

<b>MASTER</b>		
NAME OF SUBJECTS	SEMESTER	CREDITS
Electronic Biomedical Systems-2	Autumn	4
Magnetoelectronics	Autumn	5
Fundamentals of Scientific Research	Autumn	2
Optoelectronic information systems	Autumn	5
Phase Transitions and Spectroscopy of Solids	Autumn	3
Integrated Optics	Autumn	4
Microelectronic Sensors Systems	Autumn	5
VLSI Design 1. Digital IC Design	Autumn	4
Electronic Biomedical Systems-1	Spring	4
Digital signal processing and analysis in biomedical systems	Spring	5
VLSI Design 2. Analog IC Design	Spring	3,5