



SUPERIOR SPECIALIST FOR BIOMEDICAL INFORMATICS 4.0			
REALIGNMENT	Name of the discipline	Hours	
	MATHEMATICS	52	
	ELEMENTS OF CHEMISTRY	24	
	ELEMENTS OF BIOLOGY	24	
	ELEMENTS OF ANATOMY AND PHYSIOLOGY	24	
	MARKETING	24	
	FUNDAMENTALS OF COMPUTER SCIENCE (C++, PYTHON) 1	48	
	Total realignment hours	196	
MODULES	Name of the discipline	Hours	
	<u>BASE</u>		
	MATHEMATICAL ANALYSIS	46	
	FUNDAMENTALS OF COMPUTER SCIENCE AND OPERATING SYSTEMS	96	
	PHYSICS	96	
	ENGLISH LANGUAGE	30	
	<u>HARDWARE</u>		
	ELECTRONICS AND ELECTRICAL SAFETY CHECKS	72	
	ELECTRONICS DIGITAL SYSTEMS	72	
	COMPUTER ARCHITECTURES	48	
	TELECOMMUNICATIONS NETWORKS	48	
	<u>SOFTWARE</u>		
	DATABASES	48	
	SOFTWARE ENGINEERING	48	
	ALGORITHMS AND DATA STRUCTURES	48	
	<u>BIOMEDICALS</u>		
	BIOMEDICAL EQUIPMENT, WEARABLE DEVICES	48	
	MEDICAL RECORD MODELS AND HOSPITAL PROCESSES	24	
	CLINICAL INFORMATION SYSTEMS	20	
	MEDICAL INFORMATICS	48	
	BIOINFORMATICS	30	
	PROJECT MANAGEMENT AND HEALTHCARE ORGANIZATION	48	
	SAFETY AT THE WORKPLACE	16	
	<u>TECHNOLOGIES 4.0</u>		
	SYSTEMS FOR AUGMENTED AND VIRTUAL REALITY	60	
	CYBER SECURITY	30	
	BIG DATA AND ANALYTICS	48	
	MODEL MAKER AND SIMULATION	72	
	CAD/CAM TECHNOLOGIES, 3D PRINTING, APPLICATIONS IN MEDICINE AND SURGERY	72	
		Total	1.168
	TRAINING		832
		Total with training	2.000