## The training programs and courses developed and accredited in the project Physics years 2015-2018

Universi ty	Course/Lab title	Updated or totally new	Level (Bachelor, Master 5-year course)	ECT S credi t point s	The teaching/train ing methodologie s developed/ad opted e.g. e-learning/ training modalities, practical placements in enterprises, etc.	The link to the university' webpage	The status of recognition/ accreditation (by the university or a country institution)
MEOBR	Functional nanomaterials	New	Master	2	Lecture	https://dl.bsu.by/mo d/folder/view.php?i d=27007	Ministry of Education of Belarus Republic (MEOBR)
MEOBR	Photonics	New	Master	2	Lecture	https://dl.bsu.by/mo d/folder/view.php?i d=27008	Ministry of Education of Belarus
BSU	Composite nanostructured materials	totally new	master 5-year specialist	2	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Nanomaterials for Power Engineering	totally new	master 5-year specialist	2	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Opto- and microelectronics	totally new	master 5-year specialist	2,0	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Physics of electri- cally conductive polymers	Updated	5-year specialist	2	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Nanotechnologies in electronics	totally new	Masters/ 5-year specialist	2	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Spintronics	totally new	Masters/ 5-year specialist	2	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Physics and Chemistry of Surface	totally new	5-year specialist/ Bachelor	2,5	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Nonlinear Optics	Updated	5-year specialist/ Bachelor	2,5	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Integrated envirinment for engineere computation	totally new	5-year specialist/ Bachelor	2	Labs	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities
	Laser Physics	totally new	masters	2	Lecture	https://dl.bsu.by/ mod/folder/view. php?id=34775	Validated by BSU authorities

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	Nonlinear Optics	totally	masters	2,5	2000000	mod/folder/view.	BSU authorities
	(Lecture)	new		,		php?id=34775	
		11	5-year			https://dl.bsu.by/	Validated by
	Semiconducting	totally	specialist/	2	Labs	mod/folder/view.	BSU authorities
	devices	new r	Bachelor	-		php?id=34775	
	Introduction into					https://dl.bsu.by/	Validated by
	Physics of	totally	masters	2,5	Lecture	mod/folder/view.	BSU authorities
	Condensed Matter-	new	11111310113	_,0	Lootaro	php?id=34775	
					Lecture	https://dl.bsu.by/	Validated by
	Photovoltaics	totally	masters	2,5	Locture	mod/folder/view.	BSU authorities
	1 noto vonunes	new	musters	2,0		php?id=34775	bbe autionates
					Labs	https://dl.bsu.by/	Validated by
	Photovoltaics	totally	masters	2	Luos	mod/folder/view.	BSU authorities
	(Labs)	new	musters	2		php?id=34775	bbe autionties
	Physics of Surface				Lecture	https://dl.bsu.by/	Validated by
	and Methods of	totally	masters	2,5	Lecture	mod/folder/view.	BSU authorities
	their study	new	masters	2,3		$\frac{1100/101000}{\text{php?id}=34775}$	DSO autionities
			5-year				Validated by
	Thermodynamics of	totally	specialist/	2	Lecture	https://dl.bsu.by/ mod/folder/view.	Validated by BSU authorities
	nanosystems	new	Bachelor	2	Lecture	php?id=34775	bs0 autionities
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	Opto- and	totally	Masters/		<b>T</b> 1	https://dl.bsu.by/	Validated by
	microelectronics	new	5-year	2	Labs	mod/folder/view.	BSU authorities
L			specialist		<b>.</b>	php?id=34775	<b>XX 11 1</b>
	Coherent optics and	totally	Masters		Lecture	https://dl.bsu.by/	Validated by
	Holography	new		2		mod/folder/view.	BSU authorities
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		totally	5-year	_	Lecture	https://dl.bsu.by/	Validated by
	Fiber Optics	new	specialist	2		mod/folder/view.	BSU authorities
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		totally	Master/		-	https://dl.bsu.by/	Validated by
	Nanophotonics	new		3	Lecture	mod/folder/view.	BSU authorities
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		totally					
GoSU	Sol-gel synthesis of	newly	2-year	4	Lecture, lab	http://gsu.by/physfa	УД 362017-
Gube	functional materials	created	master	-	Lecture, lab		178/уч от
		created				с	07.06.2017
							VΠ 26 2017
	Physics of wave	totally	2-year		Lecture,	1. the stars in the second sec	УД 36-2017-
	processes	newiv	master	4	practical	c	206/уч от
							07.06.2017
		11					УД 34-2017-
	Modulators of a	totally	2-year		Lecture, lab	http://gsu.by/physfa	
	laser radiation	newly	master	4	,	c	175/уч от
		created					07.06.2017
		totally					УД 34-2017-
	Industrial lasers	newly	2-year	4	Lecture, lab	http://gsu.by/physfa	180/уч от
	muusu tai tasers	created	master	1 4		c	•
							07.06.2017
		totally					УД 35-2017-
	Metamaterials	newly 2-y	2-year	4	Lecture, lab	http://gsu.by/physfa	176/уч от
			master				07.06.2017
		cicalcu	ļ				07.00.2017
		totally					УД 36-2017-
	Ellipsometry	newly	2-year	4	Lecture, lab	http://gsu.by/physfa	177/уч от
I	Linpsoniouy		master	Γ.		с	07.06.2017
		created					U/Uh/UI/

	The modern ideas of matter structure	Updated	1-year/ 2-year master	3	Lecture	1.44	УД 33-2015- 655/уч от 28.05.2015
	Computer simulation	Updated	1-year/ 2-year master	3	Lecture, practical	http://gsu.by/physfa c	УД 36-2015- 671/уч от 28.05.2015
	Quantum theory of atomic and molecular spectra	Updated	2-year master	4	Lecture, practical	http://gsu.by/physfa c	УД 33-2017- 208/уч от 07.06.2017
BSTU	Functional Nanomaterials	Newly created	Master	1.0	e-learning	link to BSU 1 link to BSU 2 link to BSTU	University accreditation
	Promising technologies for processing polymers and composites	Updated	Master	3.0	Lectures, e- learning, lab practice practical placements in enterprises	link to BSU 2 link to BSTU	
	Theoretical basis of polymer processing	Updated	Master	4.0		link to BSU 2 link to BSTU	
	Modification of polymers and composites	Updated	Master	1.0		link to BSU 2 link to BSTU	
GrSU	Nanophotonics	Totally newly created	Master	4,0	E-learning	https.edu.grsu.by	Accredited by GrSU
	Optical methods of investigations	Totally newly created	Master	1,5	E-learning	https.edu.grsu.by	Accredited by GrSU
	Physico-chemical methods of analysis	Totally newly created	Master	3,5	E-learning	https.edu.grsu.by	Accredited by GrSU