

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

University	Course/Lab title	Updated or totally new	Level (Bachelor, Master 5-year course)	ECT S credit points	The teaching/training methodologies developed/adopted e.g. e-learning/training modalities, practical placements in enterprises, etc.	The link to the university's webpage	The status of recognition/accreditation (by the university or a country institution)
MEOBR	Functional nanomaterials	New	Master	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=27007">https://dl.bsu.by/mod/folder/view.php?id=27007</a>	Ministry of Education of Belarus Republic (MEOBR)
MEOBR	Photonics	New	Master	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=27008">https://dl.bsu.by/mod/folder/view.php?id=27008</a>	Ministry of Education of Belarus
BSU	Composite nanostructured materials	totally new	master 5-year specialist	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Nanomaterials for Power Engineering	totally new	master 5-year specialist	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Opto- and microelectronics	totally new	master 5-year specialist	2,0	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Physics of electrically conductive polymers	Updated	5-year specialist	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Nanotechnologies in electronics	totally new	Masters/ 5-year specialist	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Spintronics	totally new	Masters/ 5-year specialist	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Physics and Chemistry of Surface	totally new	5-year specialist/ Bachelor	2,5	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Nonlinear Optics	Updated	5-year specialist/ Bachelor	2,5	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Integrated environment for engineers computation	totally new	5-year specialist/ Bachelor	2	Labs	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Laser Physics	totally new	masters	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities

	Nonlinear Optics (Lecture)	totally new	masters	2,5	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Semiconducting devices	totally new r	5-year specialist/ Bachelor	2	Labs	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Introduction into Physics of Condensed Matter-	totally new	masters	2,5	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Photovoltaics	totally new	masters	2,5	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Photovoltaics (Labs)	totally new	masters	2	Labs	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Physics of Surface and Methods of their study	totally new	masters	2,5	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Thermodynamics of nanosystems	totally new	5-year specialist/ Bachelor	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Opto- and microelectronics	totally new	Masters/ 5-year specialist	2	Labs	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Coherent optics and Holography	totally new	Masters	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Fiber Optics	totally new	5-year specialist	2	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
	Nanophotonics	totally new	Master/	3	Lecture	<a href="https://dl.bsu.by/mod/folder/view.php?id=34775">https://dl.bsu.by/mod/folder/view.php?id=34775</a>	Validated by BSU authorities
<b>GoSU</b>	Sol-gel synthesis of functional materials	totally newly created	2-year master	4	Lecture, lab	<a href="http://gsu.by/physfac">http://gsu.by/physfac</a>	УД 362017-178/уч от 07.06.2017
	Physics of wave processes	totally newly created	2-year master	4	Lecture, practical	<a href="http://gsu.by/physfac">http://gsu.by/physfac</a>	УД 36-2017-206/уч от 07.06.2017
	Modulators of a laser radiation	totally newly created	2-year master	4	Lecture, lab	<a href="http://gsu.by/physfac">http://gsu.by/physfac</a>	УД 34-2017-175/уч от 07.06.2017
	Industrial lasers	totally newly created	2-year master	4	Lecture, lab	<a href="http://gsu.by/physfac">http://gsu.by/physfac</a>	УД 34-2017-180/уч от 07.06.2017
	Metamaterials	totally newly created	2-year master	4	Lecture, lab	<a href="http://gsu.by/physfac">http://gsu.by/physfac</a>	УД 35-2017-176/уч от 07.06.2017
	Ellipsometry	totally newly created	2-year master	4	Lecture, lab	<a href="http://gsu.by/physfac">http://gsu.by/physfac</a>	УД 36-2017-177/уч от 07.06.2017

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