

APPROVED

By the Resolution No. E-10000-KT-361 of the Second Cycle
Nanotechnology and Entrepreneurship Study Programme
Committee of January 23, 2026

**LIST OF STUDY COURSES IN THE MASTER'S PROGRAMME NANOCHEMISTRY
AND ENTREPRENEURSHIP (6211CX004) INTENDED TO ACHIEVE THE LEARNING
OUTCOMES OF THE STUDY FIELD, WHICH MAY NOT BE RETAKEN EXTERNALLY
AND (OR) REPLACED WITH ANOTHER COURSE (MODULE) AFTER FAILING THEM**

Ser. No.	Name of the study subject (module) of the study programme	Type of choice (compulsory, optional)	Failed study subject (module) cannot be retaken	
			Retaken externally after self-repetition	Replaced with another
1.	Leadership and Strategic Management	Compulsory	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Scientific Research Project I/III	Compulsory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Nanomaterials and Nanostructures	Compulsory	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Bionanomaterials and Technologies in Pharmacy	Optional	<input type="checkbox"/>	<input type="checkbox"/>
5.	Introduction to Nanoscale Chemistry*	Optional	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.	Industrial Chemistry	Optional	<input type="checkbox"/>	<input type="checkbox"/>
7.	Selected Topics in Organic and Bioorganic Chemistry	Optional	<input type="checkbox"/>	<input type="checkbox"/>
8.	Quality of Chemical Analysis	Optional	<input type="checkbox"/>	<input type="checkbox"/>
9.	Chromatography	Optional	<input type="checkbox"/>	<input type="checkbox"/>
10.	Physics of Surface and Nanocompounds	Optional	<input type="checkbox"/>	<input type="checkbox"/>
11.	Surface Modification by Polymeric Nanostructures	Optional	<input type="checkbox"/>	<input type="checkbox"/>
12.	Project Management	Optional	<input type="checkbox"/>	<input type="checkbox"/>
13.	X-ray Diffraction Analysis	Optional	<input type="checkbox"/>	<input type="checkbox"/>
14.	Structuring Investments and Partnership	Compulsory	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15.	Scientific Research Project II/III	Compulsory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16.	Nanomaterials Research Methods	Compulsory	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17.	Innovation Management and Technology Transfer	Compulsory	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18.	Mass Spectrometry	Optional	<input type="checkbox"/>	<input type="checkbox"/>
19.	Advanced Creative Thinking & Communication	Optional	<input checked="" type="checkbox"/>	<input type="checkbox"/>

20.	Modern Vibrational Spectrometry	Optional	<input type="checkbox"/>	<input type="checkbox"/>
21.	Introduction to Good Manufacturing Practice (GMP)	Compulsory	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22.	Materials Science and Functional Nanomaterials	Compulsory	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23.	Research project III/III	Compulsory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24.	Marketing and Business Models	Compulsory	<input type="checkbox"/>	<input checked="" type="checkbox"/>
25.	Master Thesis	Compulsory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

*The course "Introduction to Nanoscale Chemistry" should be mandatory not only for students from abroad, but also for those students who have not completed their studies in Chemistry / Chemical Engineering / Materials Technology.