Agricultural Univeristy of Georgia and Free University of Tbilisi

Curriculum of Joint Masters Program in Natural Sciences

General Compulsory Module	20
Research Methodology	5
Data Analyses	5
Academic Writing	3
Graduate Seminar: Problems in Modern Natural Sciences	4
Teaching Practice	3

Research Preparation, Research, Practice	50
Physics	50
Graduate Seminar in Physics	10
Research Preparation I	15
Research Preparation II	25
Biology	
Laboratory Rotation I, II, III, IV, V and Practice in Biology and Chemistry Laboratories	50
Chemistry	
Laboratory Rotation I, II, III, IV, V and Practice in Biology and Chemistry Laboratories	50

Mater's Thesis	20
Master's Thesis	20

Specialisation Compulsory Modules						30
Module 1	**10**	**Module 2**	**10**	**Module 3**	**10**	
Elective Modules in Chemistry		Elective Modules in Chemistry		Elective Modules in Chemistry		
Organic Chemistry (1)		Organic Chemistry (2)		Organic Synthesis		
Physical Chemistry (1)		Physical Chemistry (2)		Chemical Technology		
Analytical Chemistry		Physicochemical Methods of Analysis		Biological Chemistry		
Biochemistry		Ecological Chemistry		Chemistry of Natural Compounds		
Chemistry of High-molecular Compounds		Colloidal Chemistry		Elective Modules in Biology		
Elective Modules in Biology		Elective Modules in Biology		Immunology		
Microbiology		Organic Chemistry (2)		Behavioral Biology		
Cell and Molecular Biology (1)		Cell and Molecular Biology (2)		Elective Modules in Physics		
Biochemistry		Genetics		Astrophysics		
Organic Chemistry (1)		Elective Modules in Physics		Relativistic Plasma Theory		
Elective Modules in Physics		Mathematical Models of Theoretical Physics		String Theory		
Relativistic Quantum Mechanics		Nonlinear Phenomena Physics				
Quantum Mechanics		Conformal Field Theory				
Statistical Physics						

	ECTS
General Compulsory Module	20
Specialization Compulsory Modules	30
Research Preparation, Research, Practice	50
Master's Thesis	20
	120