

Recommended Order of Study

First Year			
Semester 1		Semester 2	
First Year Seminar I	8	First Year Seminar II	10
Kyrgyz Language	2	Manas Studies	2
Russian Language	2		
Linear Algebra and Analytic Geometry	6	Mathematical Analysis I	6
Discrete Mathematics and Mathematical Logic I	6	Discrete Mathematics and Mathematical Logic II	6
Kyrgyz or Russian Language or Concepts of Modern Sciences	6	Computer Science	3
Introduction to Computing	3	Sport	0
Sport	0		
Total	33	Total	27
Second Year			
Semester 3		Semester 4	
Introduction to Philosophy	4	History of Kyrgyzstan	4
Mathematical Analysis II	6	The Theory of Probabilities and Mathematical Statistics I	6
Programming I. Intro to object oriented programming	6	Programming II. Intro to object oriented programming	6
Physics	3	Numerical Methods	6
Physics. Computer modelling	3	Kyrgyz or Russian Language	6
Elective	6	Elective	4
Sport	0	Sport	0
Total	28	Total	32
Third Year			
Semester 5		Semester 6	
Ordinary Differential Equations	6	Functional Analysis	3
Complex Variables	3	Equations of Mathematical Physics	6
The Theory of Probabilities and Mathematical Statistics II	6	Computers Architecture	3
Operating Systems	3	Optimization Methods	3
Elective (Circuit Engineering)	6	Internship I, II	6
Elective	6	Elective	9
Total	30	Total	30
Fourth Year			
Semester 7		Semester 8	
Senior Project Preparation I	3	Senior Project Preparation II	3
Research Methods in Applied Mathematics	6	Mathematical Modeling in Geophysics / Economics	12
Game Theory	6	Computer Graphics: Programming Basics	3
Database Principles	6	Elective	12
Elective	9		
Total	30	Total	30