

		Platform						Total Credits on Platform: 81.5	
		Common Cognition 12	Mathematics 16	Physics 8	Chemistry 18	English 6	Politics 12.5		Military & P.E. 7
Semester 1	Common Cognition Courses	Advanced Mathematics A1 6 Linear Algebra 3			Inorganic & analytical chemistry 4 Inorganic & Analytical Chemistry Experiment 2	College English 3	Modern Chinese History 3 Situation & Policy 0.5	Physical Education(1) 1	Introduction to Natural Science 2
	Common Cognition Courses	Advanced Mathematics A2 4 Probability & Statistics 3	Physics(B1) 3 Physics Lab. (I) 1	Organic Chemistry 4 Organic Experiment 2	College English 3	Cultivation of Ethics and Fundamentals of Law 3 Situation & Policy 0.5	Physical Education(2)1 Military Theory 1	Eco-Tech Innovation Experiment 2 Information Retrieval and Applications 1	
Summer Semester						Social Cognition Practice in the New Era 2	Military Training 3	Engineering Practice (optional)2	
Semester 3	Common Cognition Courses		Physics(B2) 3 Physics Lab(2) 1	Physical Chemistry 4 Physical Chemistry Experiment 2		Introduction to Mao Zedong's Thoughts and Theoretical System of Socialism with Chinese Characteristics 3 Situation & Policy 0.5	Physical Education(3) 1	Programming 3 Introduction to Biology 3	
								20.5+4~6 Pre-professional courses	

Pre-professional Courses:  
 Biochemistry-3 credits  
 Basic Biochemistry Experiment-1.5 credits  
 Field trip on Biology -1 credit (optional)

	Common Cognition	Politics 3.5	PE 1	Major 19		Experiment & Practice 8+12	Major Optional Courses 16	Free Optional 6
Semester 4		Basic Theory of Marxism 3 Situation & Policy 0.5	Physical Education (4) 1	Genetics and Anagenesis 2 Introduction to LINUX and Shell Scripting 2	Programming Languages for Bioinformatics 2	Sci &Tech Internship and innovation(1) 2	Advanced Biochemistry 3 Molecular Biology (C) 2	Microbiology (D) 3
Semester 5	Common Cognition Courses			Bioinformatics (c) 3 Biostatistics 3	Computational Structural Biology 2	Sci&Tech Internship and Innovation(2) 1	The Principle of Database Systems 3 Cell Biology 2 Introduction to Functional Genomics 2	Computer Network 3 Algorithm & Data Structure 3
Semester 6				Systems Biology 2	Computational Biochemistry 3	Specialty Practice 2 Sci&Tech Internship and Innovation(3) 1	Biostatistical Models 2 Biostatistics Case Study 2 Biological Big Data Analysis 2	Generalized Linear Model 2 Principles of Algorithms in Bioinformatics 3
Semester 7						Comprehensive Experiments of Bioinformatics 2		
Semester 8						Undergraduate project (Thesis) 12	Start from Semester 7	

Limited Optional Courses 10 Credits required