

	Common Cognition 12	Mathematics 16	Physics 8	Chemistry 18	English 6	Politics 12.5	Military & P.E. 7	Platform Basic courses 13	Platform
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	Total Credits on Platform: 81.5
Semester 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	Pre-professional Courses: Biochemistry-3 credits Basic Biochemistry Experiment-1.5 credits Field trip on Biology -1 credit (optional)
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		

Bioengineering

Total Credits: 165

	Common Cognition	Politics 3.5	PE 1	Specialized Core Courses 24	Experiment & Practice 13.5+12	Major Optional Courses 8	Free Optional 6
Semester 4	Bioethics 2	Basic Theory of Marxism 3 Situation & Policy 0.5	Physical Education(4) 1	Molecular Biology (C) 2 Microbiology (D) 2 Unit Operations of Biochemical Engineering (1) 2 Electronics & Electricity 2	Bioengineering (1) Lab. 1 Microbiology Lab. 1.5 Internship and Innovation of Science and Technology (I) 2	Genetics (A) 2	
Semester 5	Common Cognition Courses			Unit Operations of Biochemical Engineering (2) 2 Gene Engineering 2 Cell Biology 2 Bioreaction & Bioprocess Engineering 2	Gene Engineering Experiment 1 Cell Biology Experiment 1 Internship and Innovation of Science and Technology(2) 1 Bioengineering (2) Lab. 1	Applied Bioinformatics 2 Metabolic Engineering 2	10 Credits required for Specialized Optional Courses
Semester 6			Cell Engineering 2 Proteins & Enzyme Engineering 2 Separation Engineering of Biochemistry 2 Biostatistics and Mathematical Modeling 3	Professional Practice 2 Internship and Innovation of Science and Technology (3) 1	Bioenergy 2 Environmental Biotechnology 2 Biological Pharmacy 2 Microbial Resources & Utilization 2		
Semester 7				Comprehensive Experiments of Bioengineering 2 Bioengineering Equipment & Design 3			
Semester 8					Undergraduate project (Thesis) 12		

Starts from Semester 7