

| | | 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)

Biotechnology

Total Credits: 160.5

| | Common Cognition | Politics 3.5 | PE 1 | Specialized Core Courses 22 | Experiment & Practice 13+12 | Specialized Optional Courses 10 | Free Optional 6 |
|------------|--------------------------|---|--|--|---|---|--|
| Semester 4 | Bioethics 2 | Basic Theory of Marxism 3 Situation & Policy 0.5 | Physical Education(4) 1 | Advanced Biochemistry 3 Microbiology (D) 3 Genetics (A) 2 | Advanced Biochemistry Lab 1.5 Microbiology Experiment 1.5 Internship and Innovation of Science and Technology (I) 2 | Ecology and Evolution 2 Anatomy & Physiology 2 | |
| Semester 5 | Common Cognition Courses | | | Cell Biology B 3 Applied Bioinformatics (2) 2 Molecular Biology (F) 4 | Cell Biology Lab 1 Genetics Lab 1 Internship and Innovation of Science and Technology (II) 1 | Immunology 2 Bioreaction and Bioprocess Engineering 2 Genetic Engineering 2 | 10 Credits required for Specialized Optional Courses |
| Semester 6 | | | Developmental Biology 2 Biostatistics and Mathematical Modeling 3 | Professional Practice 2 Internship and Innovation of Science and Technology (III) 1 | Cell Engineering 2 Protein and Enzyme Engineering 2 | | |
| Semester 7 | | | | Comprehensive Experiments of Biotechnology. 2 | | | |
| Semester 8 | | | | | Undergraduate project (Thesis) 12 | | |

Start from Semester 7