**Core Curricula**

Biochemistry     Molecular Biology    Cell Biology    Organic Chemistry
Overview of biotech industry                 Introduction to Biotechnology
Ethics of biotechnology     Genomics and bioinformatics data analysis
Biostatistics           The Programming Language for Biological Database

1. **Aquatic Biotechnology and Aquaindustry**
   - Introduction to Aquatic Biotechnology and Aquaindustry
   - Feeding Nutrition of Aquatic Animals
   - Aquatic immunology
   - Prospective Aquaculture Technology
   - Biosecurity Strategy of aquaculture
   - Biology and culture practices of Aquatic vertebrates

2. **Pharmaceutical Biotech Industry**
   - Introduction to Pharmaceutical Biotech Industry
   - Genetic engineering techniques
   - Microbiology and Immunology
   - Cell and Tissue Engineering
   - Infectious Disease Medicine
   - Basic Pharmacy and Drug Development

3. **Plant Biotechnology and Industry**
   - Introduction to Plant Biotechnology and Industry
   - Plant tissue culture and particles
   - Plant evolutionary developmental biology
   - Theory and practice of plant gene transfer
   - Plants and Biomass Energy
   - Plant functional genomics

4. **Operations of Bioindustry**
   - Biotech Business Operation and Management Operations of bioindustry
   - Biotech Marketing Management
   - Biotech Intellectual Property Rights
   - The business plan and strategy of Biotech industry
   - Practice on biotechnology and bioindustry