

| Code n/a | Components of the educational program (education disciplines, course projects (paper), practice, qualification work) | Amount of credits | The final control |
|--|--|-------------------|----------------------------------|
| 1. GENERAL TRAINING CYCLE | | | |
| Compulsory components of ERP | | | |
| 1 | Agricultural Policy | 4 | exam |
| 2 | Business Foreign Language | 4 | exam |
| 3 | Special Sections of High Mathematics | 4 | exam |
| 4 | Calculations of economic efficiency of scientific developments | 4 | exam |
| 5 | Safety in the Area | 4 | exam |
| 6 | Methodology and Organization of Scientific Research on the Basics of Intellectual Property | 4 | exam |
| Optional components of ERP | | | |
| <i>Optional subjects by Student's Choice</i> | | | |
| 1 | Optional subject 1 | 4 | exam |
| 2 | Optional subject 2 | 4 | exam |
| 2. SPECIAL (PROFESSIONAL) TRAINING CYCLE | | | |
| Compulsory components of ERP | | | |
| 7 | Automated Accounting of Energy and Material Resources | 4 | exam |
| 8 | Features of computer modeling of systems of automation of biotechnical objects | 4 | exam |
| 9 | Automation of biotechnical objects: automation of technological processes | 4 | exam |
| 10 | Automation of biotechnical objects: automated process control systems | 4 | exam |
| 11 | Computer aided design systems for automation of biotechnical objects | 4 | exam |
| 12 | Installation, adjustment and operation of automation systems of biotechnical objects | 4 | exam |
| 13 | Artificial intelligence in automation systems of biotechnical objects | 4 | exam |
| 14 | Robotic Complex and Systems | 4 | exam |
| 15 | Intelligent Control Systems of Biotechnical Objects | 12 | exam |
| Optional components of ERP | | | |
| <i>Optional Block 1 "Energy Efficient Control Systems of Biotechnological Objects"</i> | | | |
| 1.1 | World experience of methods and means of modern automated process control | 5 | exam |
| 1.2 | Special Systems | 5 | exam |
| 1.3 | Methods for Preparing Research | 5 | exam |
| 1.3 | Modeling and Identification of Biotechnical Objects in Agriculture | 5 | exam |
| 1.4 | Computer Integrated Control Systems | 5 | exam |
| The total amount of compulsory components | | 87 | |
| The total amount of optional components | | 33 | |
| 3. OTHER TYPES OF TRAINING | | | |
| 16 | Practical Training | 15 | exam |
| 17 | Writing and Defense of Master's Thesis | 4 | Protection of qualification work |
| THE TOTAL AMOUNT OF ERP | | 120 | |