

| Name                                                                               | Forms of interim assessment |                |                              |              |             |             |                              | Credits |        | Total academic hours |           |            |         |                    | Year 1  | Year 2  | Year 3  | Year 4  | Year 5  | Assigned department |                                                                         |  |
|------------------------------------------------------------------------------------|-----------------------------|----------------|------------------------------|--------------|-------------|-------------|------------------------------|---------|--------|----------------------|-----------|------------|---------|--------------------|---------|---------|---------|---------|---------|---------------------|-------------------------------------------------------------------------|--|
|                                                                                    | Examintatio<br>n            | Pass/fail exam | Pass/ fail exam with a grade | Term project | Course work | Module test | Calculation and graphic work | Expert  | Expert | Work with a teacher  | Classroom | Self study | Control | Practical training | Credits | Credits | Credits | Credits | Credits | Code                | Name                                                                    |  |
| Unit 1.Disciplines (modules)                                                       |                             |                |                              |              |             |             |                              | 195     | 7020   | 778                  | 778       | 5620       | 284     |                    | 46      | 49      | 40      | 46      | 14      |                     |                                                                         |  |
| Core part                                                                          |                             |                |                              |              |             |             |                              | 98      | 3528   | 406                  | 406       | 2813       | 144     |                    | 46      | 29      | 14      | 9       |         |                     |                                                                         |  |
| History of Russia                                                                  |                             |                | 1                            |              |             |             |                              | 4       | 144    | 60                   | 60        | 76         | 4       |                    |         |         |         |         |         | 71                  | Department of History                                                   |  |
| Basics of Russian statehood                                                        |                             | 1              |                              |              |             | 1           |                              | 2       | 72     | 8                    | 8         | 56         | 4       |                    | 2       |         |         |         |         | 72                  | Department of Philosophy and cultural studies                           |  |
| Legal competence and civil position                                                |                             | 1              |                              |              |             | 1           |                              | 2       | 72     | 8                    | 8         | 56         | 4       |                    | 2       |         |         |         |         | 73                  | Department of Social sciences, pedagogy and law                         |  |
| Philosophy                                                                         | 1                           |                |                              |              |             | 1           |                              | 4       | 144    | 8                    | 8         | 123        | 9       |                    | 4       |         |         |         |         | 72                  | Department of Philosophy and cultural studies                           |  |
| Basics of self-organization, team building and leadership                          |                             |                | 1                            |              |             | 1           |                              | 3       | 108    | 8                    | 8         | 92         | 4       |                    | 3       |         |         |         |         | 52                  | Department of Management                                                |  |
| Life safety                                                                        |                             |                | 1                            |              |             | 1           |                              | 4       | 144    | 14                   | 14        | 119        | 4       |                    | 4       |         |         |         |         | 42                  | Department of Technosphere safety and environmental management          |  |
| Pe and sport                                                                       |                             | 1              |                              |              |             | 1           |                              | 2       | 72     | 2                    | 2         | 66         | 4       |                    | 2       |         |         |         |         | 56                  | Department of PE                                                        |  |
| Economic culture                                                                   |                             | 1              |                              |              |             | 1           |                              | 3       | 108    | 8                    | 8         | 92         | 4       |                    | 3       |         |         |         |         | 51                  | Department of Economics and finances                                    |  |
| IT and basics of programming                                                       | 1                           |                |                              |              |             | 1           |                              | 6       | 216    | 22                   | 22        | 175        | 9       |                    | 6       |         |         |         |         | 13                  | Department of Applied mathematics and information technologies          |  |
| Applied mathematics in professional activities                                     | 1                           |                |                              |              |             | 1           |                              | 7       | 252    | 22                   | 22        | 211        | 9       |                    | 7       |         |         |         |         | 31                  | Department of Food products technology                                  |  |
| Chemistry (inorganic and analytical)                                               | 1                           |                |                              |              |             | 1           |                              | 5       | 180    | 14                   | 14        | 153        | 9       |                    | 5       |         |         |         |         | 34                  | Department of Production and quality assurance of agricultural products |  |
| Social project "Service-learning"                                                  |                             |                | 2                            |              |             |             |                              | 2       | 72     | 8                    | 8         | 56         | 4       |                    |         | 2       |         |         |         | 72                  | Department of Philosophy and cultural studies                           |  |
| Chemistry (organic and biochemistry)                                               | 2                           |                |                              |              |             | 2           |                              | 4       | 144    | 12                   | 12        | 117        | 9       |                    |         | 4       |         |         |         | 34                  | Department of Production and quality assurance of agricultural products |  |
| General technologies of products from agricultural raw materials                   | 2                           | 2              |                              |              |             | 22          |                              | 9       | 324    | 32                   | 32        | 263        | 13      |                    |         | 9       |         |         |         | 31                  | Department of Food products technology                                  |  |
| Food chemistry                                                                     |                             |                | 2                            |              |             | 2           |                              | 3       | 108    | 16                   | 16        | 80         | 4       |                    |         | 3       |         |         |         | 31                  | Department of Food products technology                                  |  |
| Metrology, standardization and technical regulation                                | 2                           |                |                              |              |             | 2           |                              | 5       | 180    | 12                   | 12        | 153        | 9       |                    |         | 5       |         |         |         | 31                  | Department of Food products technology                                  |  |
| Accessible data analysis and the use of AI                                         |                             | 2              |                              |              |             | 2           |                              | 4       | 144    | 16                   | 16        | 116        | 4       |                    |         | 4       |         |         |         | 15                  | Department of Digital transformation and business-analytics             |  |
| Pricing and commercialization strategies                                           |                             | 3              |                              |              |             | 3           |                              | 3       | 108    | 10                   | 10        | 89         | 4       |                    |         |         | 3       |         |         | 51                  | Department of Economics and finances                                    |  |
| Microbiology                                                                       |                             |                | 3                            |              |             |             |                              | 4       | 144    | 18                   | 18        | 113        | 4       |                    |         |         | 4       |         |         | 44                  | Department of Water bioresources and aquaculture                        |  |
| Agricultural raw material research methods                                         |                             | 3              | 3                            |              |             | 33          |                              | 7       | 252    | 40                   | 40        | 184        | 8       |                    |         |         | 7       |         |         | 31                  | Department of Food products technology                                  |  |
| Safety and quality control of agricultural products                                | 4                           |                |                              |              |             | 4           |                              | 5       | 180    | 22                   | 22        | 138        | 9       |                    |         |         |         | 5       |         | 31                  | Department of Food products technology                                  |  |
| Modern strategic analysis                                                          |                             | 4              |                              |              |             | 4           |                              | 4       | 144    | 22                   | 22        | 107        | 4       |                    |         |         |         | 4       |         | 15                  | Department of Digital transformation and business-analytics             |  |
| Foreign language                                                                   | 1                           |                |                              |              |             |             |                              | 4       | 144    | 12                   | 12        | 124        | 4       |                    | 4       |         |         |         |         |                     |                                                                         |  |
| Foreign language                                                                   | 1                           |                |                              |              |             |             |                              | 4       | 144    | 12                   | 12        | 124        | 4       |                    | 4       |         |         |         |         | 45                  | Department of Foreign languages                                         |  |
| Foreign language: Russian as a foreign language                                    |                             | 1              |                              |              |             |             |                              | 4       | 144    | 12                   | 12        | 124        | 4       |                    | 4       |         |         |         |         | 45                  | Department of Foreign languages                                         |  |
| Elective disciplines 1                                                             | 2                           |                |                              |              |             |             |                              | 2       | 72     | 12                   | 12        | 54         | 4       |                    |         | 2       |         |         |         |                     |                                                                         |  |
| Basics of project activity                                                         |                             | 2              |                              |              |             |             |                              | 2       | 72     | 12                   | 12        | 54         | 4       |                    |         | 2       |         |         |         | 51                  | Department of Economics and finances                                    |  |
| Business communication in Russian                                                  |                             | 2              |                              |              |             |             |                              | 2       | 72     | 12                   | 12        | 54         | 4       |                    |         | 2       |         |         |         | 55                  | Department of Russian language                                          |  |
| Part formed by the educational process participants                                |                             |                |                              |              |             |             |                              | 97      | 3492   | 372                  | 372       | 2807       | 140     |                    |         | 20      |         | 37      | 14      |                     |                                                                         |  |
| Agricultural raw materials production technologies                                 | 3335                        |                | 4                            |              |             | 3           | 33345                        | 27      | 972    | 110                  | 110       | 763        | 40      |                    |         |         | 19      | 4       | 4       |                     |                                                                         |  |
| Fermentation technology                                                            | 3                           |                |                              |              |             | 3           |                              | 6       | 216    | 22                   | 22        | 174        | 9       |                    |         |         | 6       |         |         | 31                  | Department of Food products technology                                  |  |
| Meat and poultry technology                                                        | 3                           |                |                              |              |             | 3           |                              | 6       | 216    | 22                   | 22        | 174        | 9       |                    |         |         | 6       |         |         | 31                  | Department of Food products technology                                  |  |
| Milk technology                                                                    | 3                           |                |                              |              |             | 3           |                              | 6       | 216    | 22                   | 22        | 174        | 9       |                    |         |         | 6       |         |         | 31                  | Department of Food products technology                                  |  |
| Fruit and vegetable technology                                                     |                             |                | 4                            |              |             | 4           |                              | 4       | 144    | 22                   | 22        | 107        | 4       |                    |         |         |         | 4       |         | 31                  | Department of Food products technology                                  |  |
| Fermentation technology                                                            | 5                           |                |                              |              |             | 5           |                              | 4       | 144    | 22                   | 22        | 102        | 9       |                    |         |         |         |         | 4       | 31                  | Department of Food products technology                                  |  |
| Term project after the module "Agricultural raw materials production technologies" |                             |                |                              |              |             | 3           |                              | 1       | 36     |                      |           | 32         |         |                    |         |         | 1       |         |         | 37                  | Department of Food products technology                                  |  |
| Fundamentals of animal husbandry                                                   |                             |                | 2                            |              |             | 2           |                              | 4       | 144    | 16                   | 16        | 116        | 4       |                    |         | 4       |         |         |         | 34                  | Department of Production and quality assurance of agricultural products |  |
| Fundamentals of agronomy                                                           |                             |                | 2                            |              |             | 2           |                              | 4       | 144    | 16                   | 16        | 116        | 4       |                    |         | 4       |         |         |         | 33                  | Department of Agronomy and agroecology                                  |  |
| Primary processing of agricultural products                                        | 22                          |                |                              |              |             | 22          |                              | 12      | 432    | 36                   | 36        | 360        | 18      |                    |         | 12      |         |         |         | 30                  | Institute of Agricultural engineering and food systems                  |  |
| Applied nutrition                                                                  | 3                           |                |                              |              |             | 3           |                              | 4       | 144    | 18                   | 18        | 108        | 9       |                    |         |         | 4       |         |         | 31                  | Department of Food products technology                                  |  |
| Agricultural market                                                                |                             | 3              |                              |              |             |             |                              | 3       | 108    | 16                   | 16        | 80         | 4       |                    |         |         | 3       |         |         | 33                  | Department of Agronomy and agroecology                                  |  |
| Phytosanitary expertise                                                            | 4                           |                |                              |              |             | 4           |                              | 5       | 180    | 16                   | 16        | 147        | 9       |                    |         |         |         | 5       |         | 33                  | Department of Agronomy and agroecology                                  |  |
| Production of industrial and feed products                                         | 4                           |                |                              |              |             | 4           |                              | 5       | 180    | 22                   | 22        | 138        | 9       |                    |         |         |         | 5       |         | 31                  | Department of Food products technology                                  |  |
| Veterinary and sanitary expertise                                                  |                             | 4              |                              |              |             | 4           |                              | 3       | 108    | 10                   | 10        | 92         | 4       |                    |         |         |         | 3       |         | 31                  | Department of Food products technology                                  |  |
| Rheometry of agricultural raw materials and food products                          | 4                           |                |                              |              |             | 4           |                              | 6       | 216    | 18                   | 18        | 180        | 9       |                    |         |         |         | 6       |         | 31                  | Department of Food products technology                                  |  |
| Design of agricultural processing facilities                                       | 4                           | 4              |                              |              | 4           |             |                              | 7       | 252    | 32                   | 32        | 191        | 13      |                    |         |         |         | 7       |         | 31                  | Department of Food products technology                                  |  |
| Fundamentals of lean manufacturing                                                 | 4                           |                |                              |              |             | 4           |                              | 4       | 144    | 18                   | 18        | 108        | 9       |                    |         |         |         | 4       |         | 31                  | Department of Food products technology                                  |  |
| Technical support for agricultural production                                      |                             | 4              |                              |              |             | 4           |                              | 3       | 108    | 16                   | 16        | 80         | 4       |                    |         |         |         | 3       |         | 31                  | Department of Food products technology                                  |  |
| Project workshop                                                                   |                             |                | 5                            |              |             |             |                              | 10      | 360    | 28                   | 28        | 328        | 4       |                    |         |         |         |         | 10      | 31                  | Department of Food products technology                                  |  |
| Unit 2.Practical training                                                          |                             |                |                              |              |             |             |                              | 36      | 1296   |                      |           |            |         |                    |         | 9       | 9       | 9       | 9       |                     |                                                                         |  |
| Core part                                                                          |                             |                |                              |              |             |             |                              | 36      | 1296   |                      |           |            |         |                    |         | 9       | 9       | 9       | 9       |                     |                                                                         |  |
| Academic training                                                                  |                             |                |                              |              |             |             |                              | 9       | 324    |                      |           |            |         |                    |         | 9       |         |         |         |                     |                                                                         |  |
| Technological practice                                                             |                             |                | 2                            |              |             |             |                              | 9       | 324    |                      |           |            |         |                    |         | 9       |         |         |         | 31                  | Department of Food products technology                                  |  |
| Production practice                                                                |                             |                | 345                          |              |             |             |                              | 27      | 972    |                      |           |            |         |                    |         |         | 9       | 9       | 9       |                     |                                                                         |  |
| Technological practice                                                             |                             |                | 3                            |              |             |             |                              | 9       | 324    |                      |           |            |         |                    |         |         | 9       |         |         | 31                  | Department of Food products technology                                  |  |
| Technological practice                                                             |                             |                | 4                            |              |             |             |                              | 9       | 324    |                      |           |            |         |                    |         |         |         | 9       |         | 31                  | Department of Food products technology                                  |  |
| Technological practice                                                             |                             |                | 5                            |              |             |             |                              | 9       | 324    |                      |           |            |         |                    |         |         |         |         | 9       | 31                  | Department of Food products technology                                  |  |
| Unit 3. State final examination                                                    |                             |                |                              |              |             |             |                              | 6       | 216    |                      |           | 216        |         |                    |         |         |         |         | 6       |                     |                                                                         |  |
| Preparation for the defense procedure and defense of the final qualification work  |                             |                |                              |              |             |             |                              | 6       | 216    |                      |           | 216        |         |                    |         |         |         |         | 6       | 31                  | Department of Food products technology                                  |  |
| Elective courses                                                                   |                             |                |                              |              |             |             |                              | 6       | 216    | 20                   | 20        | 172        | 12      |                    | 4       | 2       |         |         |         |                     |                                                                         |  |
| Elementary mathematics                                                             |                             | 1              |                              |              |             |             |                              | 2       | 72     | 6                    | 6         | 58         | 4       |                    | 2       |         |         |         |         | 13                  | Department of Applied mathematics and information technologies          |  |
| The Historical role of Russia in the system of international relations             |                             | 1              |                              |              |             |             |                              | 2       | 72     | 6                    | 6         | 58         | 4       |                    | 2       |         |         |         |         | 71                  | Department of History                                                   |  |
| The Great Patriotic War: no statute of limitations                                 |                             | 2              |                              |              |             |             |                              | 2       | 72     | 8                    | 8         | 56         | 4       |                    |         | 2       |         |         |         | 71                  | Department of History                                                   |  |
| Complex modules                                                                    |                             |                |                              |              |             |             |                              | 108     | 10     | 10                   | 98        |            |         |                    |         |         |         |         |         |                     |                                                                         |  |
| Module "Basics of military training"                                               |                             |                |                              |              |             |             |                              | 108     | 10     | 10                   | 98        |            |         |                    |         |         |         |         |         |                     |                                                                         |  |
| Basics of military training (Autumn)                                               |                             |                | 3                            |              |             |             |                              | 108     | 10     | 10                   | 98        |            |         |                    |         |         |         |         |         |                     |                                                                         |  |
| Basics of military training (Spring)                                               |                             |                | 3                            |              |             |             |                              | 108     | 10     | 10                   | 98        |            |         |                    |         |         |         |         |         |                     |                                                                         |  |