

## Master's degree program «Economics»

**Goal:** training civil servants with modern economic thinking, possessing “advanced” theoretical knowledge and practical skills in the field of economics, statistics and public audit, able to think critically and make effective management decisions.

**The program objectives:**

- teach the skills of collecting information for economic analysis and management decisions;
- develop the skills for analysis and forecasting of possible risks in the development of economic processes and the implementation of economic policy;
- develop skills for making management decisions with risks’ considerations in the economic sphere;
- teach socio-economic changes analysis methods and timely management decisionmaking skills;
- develop personal qualities of civil servants and three blocks of competences that correspond to the characteristics of the professional state apparatus according to the UCF.

**Expected learning outcomes:**

**Synthesis:** Plans economic activities of an organization, a region and the country for the medium term.

**Analysis:** Analyzes development of economic activities of an organization, a region and the country and offers optimal solutions.

**Application:** Applies knowledge and skills in solving actual problems of the economy.

**Assessment:** Identifies and forecasts trends and dynamics of development of an organization’s, a region’s and the country’s economy considering changing conditions.

*By competencies:*

**Effective management of activities:** The graduate has the skills to gather information necessary for analysis and management decisions;

**Decision-making:** The graduate analyzes and forecasts potential risks and consequences in the economic processes development and in the economic policy implementation and makes management decisions taking them into account.

**Efficiency:** The graduate analyzes changes taking place in the economy and makes timely decisions on their improvement.

**Consumer orientation and communication:** The graduate organizes and monitors quality service and determines a satisfaction level for the purpose of providing feedback.

**Integrity:** The graduate monitors compliance with ethical norms and standards, creates an atmosphere of trust and respect in the team, ensures compliance with the principles of transparency and fairness in the actions of subordinates.

**Initiative:** The graduate proposes innovative approaches and solutions on the bases of analysis aimed at improving the efficiency of the national economy.

**Stress resistance:** The graduate reacts to criticism reservedly positive, takes steps to address deficiencies.

| Semester | Name of the discipline                         | ECTS |
|----------|--|------|
| 1        | Official business Kazakh language              | 3    |
|          | Professional Communications (english language) | 3    |
|          | Public administration                          | 3    |

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|---|---|-----------|
|   | Organizational Behavior   | 3         |
|   | Instrumental methods of economic analysis   | 5         |
|   | Microeconomic analysis  | 5         |
|   | Development Day Colloquium  | 1         |
|   | <i>Experimental research work of a master student (here in after - ERWM)</i>  | 5         |
|   | <b>TOTAL 1 SEMESTER</b>   | <b>28</b> |
| 2 | Research methods for decision making  | 3         |
|   | Strategic management  | 5         |
|   | Macroeconomic analysis  | 5         |
|   | Project management  | 5         |
|   | 1 elective course from the catalog of courses   | 5         |
|   | <ul style="list-style-type: none"> <li>Regional economy</li> </ul>  |           |
|   | <ul style="list-style-type: none"> <li>Public sector economics</li> </ul>   |           |
|   | <ul style="list-style-type: none"> <li>Applied statistics and data visualization</li> </ul>   |           |
|   | <ul style="list-style-type: none"> <li>Public finance and fiscal management</li> </ul>  |           |
|   | <ul style="list-style-type: none"> <li>The state audit system and its structural elements</li> </ul>  |           |
|   | Development Day Colloquium  | 1         |
|   | <i>Practice</i>   | 3         |
|   | <i>ERWM</i>   | 7         |
|   | <b>TOTAL 2 SEMESTER</b>   | <b>34</b> |
| 3 | Economic policy analysis  | 5         |
|   | Risk management in economics  | 5         |
|   | Applied econometrics  | 5         |
|   | 2 elective courses from the catalog of courses (by specialization, every discipline – 5 ECTS)   | 10        |
|   | <ul style="list-style-type: none"> <li>Economic growth and development (Specialization «Economic management»)</li> </ul>                      |           |
|   | <ul style="list-style-type: none"> <li>State program evaluation (Specialization «Economic management»)</li> </ul>                             |           |
|   | <ul style="list-style-type: none"> <li>Fiscal instruments of innovative economy development (Specialization «Economic management»)</li> </ul> |           |
|   | <ul style="list-style-type: none"> <li>The world economy (Specialization «Economic management»)</li> </ul>                                    |           |
|   | <ul style="list-style-type: none"> <li>National accounting and economic statistics (Specialization «Statistics»)</li> </ul>                   |           |
|   | <ul style="list-style-type: none"> <li>Business modeling (Specialization «Statistics»)</li> </ul>   |           |
|   | <ul style="list-style-type: none"> <li>Neural network data analysis (Specialization «Statistics»)</li> </ul>                                  |           |
|   | <ul style="list-style-type: none"> <li>Digital technologies in economics (Specialization «Statistics»)</li> </ul>                             |           |
|   | <ul style="list-style-type: none"> <li>State audit methodology (Specialization «State audit»)</li> </ul>                                      |           |
|   | <ul style="list-style-type: none"> <li>Accounting in accordance with IPSAS (Specialization «State audit»)</li> </ul>                          |           |
|   | <ul style="list-style-type: none"> <li>Budget performance analysis (Specialization «State audit»)</li> </ul>                                  |           |
|   | <ul style="list-style-type: none"> <li>State assets effectiveness analysis (Specialization «State audit»)</li> </ul>                          |           |
|   | Development Day Colloquium  | 1         |
|   | <i>ERWM</i>   | 5         |

|  |   |                         |
|--|---|-------------------------|
|  | <b>TOTAL 3 SEMESTER</b>   | <b>31</b>               |
| 4  | 2 elective courses from the catalog of courses (by specialization, every discipline – 5 ECTS)   | 10                      |
|  | <ul style="list-style-type: none"> <li>Behavioral economics (Specialization «Economic management»)</li> </ul>                                       |                         |
|  | <ul style="list-style-type: none"> <li>Sustainable development economics (Specialization «Economic management»)</li> </ul>                          |                         |
|  | <ul style="list-style-type: none"> <li>Business and Government policy (Specialization «Economic management»)</li> </ul>                             |                         |
|  | <ul style="list-style-type: none"> <li>Big data (Specialization «Statistics»)</li> </ul>  |                         |
|  | <ul style="list-style-type: none"> <li>Statistical modeling (Specialization «Statistics»)</li> </ul>  |                         |
|  | <ul style="list-style-type: none"> <li>Audit of financial statements of the state and quasi-state sectors (Specialization «State audit»)</li> </ul> |                         |
|  | <ul style="list-style-type: none"> <li>Performance audit (Specialization «State audit»)</li> </ul>  |                         |
|  | Development Day Colloquium  | 1                       |
|  | <i>Practice</i>   | 1                       |
|  | <i>Internship</i>   | 2                       |
|  | <i>ERWM</i>   | 5                       |
|  |   | <b>TOTAL 4 SEMESTER</b> |
| <b>Total theoretical training</b>  |   | <b>88</b>               |
| <b>ERWM:</b>   |   | <b>24</b>               |
| <ul style="list-style-type: none"> <li>ERWM, (including the implementation of a master's project)</li> </ul> |   | <b>22</b>               |
| <ul style="list-style-type: none"> <li>Internship</li> </ul>   |   | <b>2</b>                |
| <b>Final certification</b> (design and defense of the master's project)                                      |   | <b>12</b>               |
| <b>Total additional training</b>   |   | <b>36</b>               |
| <b>TOTAL CREDITS FOR MANDATORY</b>   |   | <b>124</b>              |