

Strategic Development Plan: Department of Information Systems in Economics

The strategy focuses on a hybrid model of education: merging classical IT engineering with data-driven business intelligence to meet the demands of the 2026-2028 labor market.

1. Strategic Goals

- **Industry Integration:** Direct involvement of IT corporations and analytical centers in the curriculum.
- **R&D Excellence:** Developing advanced competencies in Big Data, AI, and Predictive Analytics.
- **Experimental Agility:** Rapid iteration of the "Business Analytics and Statistic" and "Information systems and technologies" profiles to stay current with global tech shifts.

2. Implementation Roadmap and Indicators

Strategic Tasks	Indicators (Quantitative & Qualitative)	2023–2024 (Foundation)	2025–2026 (Growth)	2027–2028 (Leadership)	Responsible Parties	Funding Sources
Curriculum Update (710200 Information systems and technologies & Business Analytics)	% of courses approved by industry partners; Professional certifications.	60% of programs updated to Python/R/SQL stack.	Integration of Low-code/No-code platforms into the core syllabus.	100% alignment with international professional standards.	Head of Dept, Program Coordinators	University Budget, Grants
Graduate School Development (MSc IT Project Mgt & Data Analytics)	Employment rate in specialty; Number of Scopus/WoS publications.	Launch of new-based tracking.	Implementation of real-world cases from Fintech partners.	Establishment of a joint Master’s program with international universities.	Masters Program Directors	Extra-budgetary, Contract Research
Digital Infrastructure	Number of specialized labs; Software licenses	Acquisition of basic statistical and analytical software.	Opening of the "Business Analytics &	Deployment of a proprietary Cloud Cluster for Big	Lab Manager	Grants, Corporate Sponsors

	(Power BI, Tableau, etc.).		Statistic Laboratory."	Data processing.		
Human Capital Growth	% of faculty with PhDs/DBAs and vendor certifications.	40% of faculty completed advanced professional training.	Recruitment of 3+ industry practitioners (Senior/Lead level).	70% of faculty hold international certs (e.g., Microsoft DA-100).	Academic Board	Budget, Development Fund
Experimental Profiles (Programming & Data Analytics)	Graduate employment rate; Student startup success.	Market analysis and first enrollment for experimental tracks.	Achieving an 85% employment rate for graduates.	Launch of an in-house Startup Accelerator for IT solutions.	Experimental Track Leads	State Order, Industry Partners

3. Program Specifics

Bachelor's Degree (BSc)

- **Focus:** Hard skills in programming (Python, Java, C#) and fundamental econometrics.
- **Key Indicator:** Student participation in international hackathons (Target: at least 3 podium finishes annually).

Master's Degree (MSc)

- **Focus:** Management frameworks and Deep Learning for economic forecasting.
- **Key Indicator:** Revenue generated through applied research contracts (R&D) for external clients.

4. Financial Resource Management

The funding strategy utilizes a multi-channel model:

1. **State Budget:** Salaries and baseline infrastructure.
2. **Special Funds (Extra-budgetary):** Tuition fees and corporate training programs.
3. **Grant Support:** Participation in international projects and national science grants.
4. **Sponsorships:** Direct investment from IT companies for "Branded Classrooms" and hardware.