

Specificity of the Educational program of 5B080600 majoring "Agrarian Technics and Technology"

Educational program 5B080600 majoring "Agrarian Technics and Technology" contains:

- Theoretical training including studying of cycles of general educational, base and main subjects in volume of 130 credits;
- Additional training - various kinds of professional practices, physical training, military training;
- Intermediate and final certifications.

Educational program is designed taking into account modular system of disciplines studying and consists of 16 modules forming general educational and professional competence.

Now Kazakhstan is recognized by the world community as the state with market economy. For the short historical period of independence Kazakhstan has made break in economy, being integrated in a world civilization, using new progressive "know-how" in processing, storages, transportations and production produce of plant growing and animal industries in agriculture. Prospects of social and economic development of the country are defined.

The role and value of Educational program of majoring 5B080600 «Agrarian technics and technology» increase in this context. Specificity of Educational program defines following requirements to education level of graduates:

- Requirements for the general education;
- Requirements for social and ethical competencies;
- Requirements for economic and organizational-administrative competences;
- Requirements for special competences;
- Requirements for availability of social, economic, professional roles change, geographical and social mobility in the increasing dynamism conditions, changes and uncertainty;
- Requirements for education in basic cycles of academic disciplines.

1. Requirements for the general education:

- Competence of understanding of an engineering education strategy, modern directions of natural sciences development;
- Knowledge of substantive provisions in the field of humanitarian, social and economic and natural sciences;
- Having of cultural thinking, ability in written and oral speech (on in a foreign language), and properly express the opinions;
- Ability to analyze and estimate both global and regional processes and problems;
- To know and to be able to use methods of adjacent natural-science disciplines at an estimation and the decision of industrial and technological, social, organizational and administrative questions;

2. Requirements for social and ethical competencies.

Bachelor of Agrarian Technics and Technology must:

- know ways of educational and social communication;
- to realize food security of the RK as part national security;
- be able to carry out practical engineering studies;
- to know modern processing facilities and information;
- be able to make recommendations for improving the agricultural machinery using;
- Fluent speaking of native language, international communication language, and one of the foreign languages.

3. Requirements for economic and organizational-administrative competences.

Bachelor majoring 5B080600 Agrarian technics and technology must:

- plan and organize work of the agricultural and processing enterprises, the service centers taking into account necessary economic expenses;

- collect and analyze materials for the evaluation efficiency of functioning agroformations;
- develop practical recommendations about normalize of machine and tractor units (MTU), works quality, energy expenses, timely performance of agricultural works;
- organize and spend research experiments, to introduce new methods and technologies on machine units of rational using;
- to conduct accounting and to carry out calculations under the taxation.

4. Requirements for special competences.

Bachelor majoring 5B080600 Agrarian technics and technology must:

- know the training means and computer technology;
- know ways of decrease expenses of fuel and energy resources, negatives of the MTU to the soil, environment and population health;
- know and competently use his professional vocabulary.

5. Requirements for availability of social, economic, professional roles change, geographical and social mobility in the increasing dynamism conditions, changes and uncertainty

Bachelor majoring 5B080600 Agrarian technics and technology should be adapted for change conditions of social, economic, professional roles of the expert caused by real conditions of production, carrier promotion, transfer in other regions, and also profession change.

6. Requirements for education in basic cycles of academic disciplines.

The graduate should have knowledge, practical skills on basis cycles of academic disciplines in the volume necessary for professional work realization.

Head of the Mechanization of
technological processes Department

G.A.Zaichko