

Information On educational programs

The purpose of the Educational Program of the Bachelor's degree program by "Forest Resources and Forestry" specialty is the formation of the main professional competencies of future specialists, the creation of prerequisites for independent search-research activities, the formation of the ability to work with scientific and technical information, use domestic and foreign experience in professional activities.

The purpose of the Educational Program of the Master's degree program is to train highly qualified specialists in the development and implementation of measures for the multi-purpose permanent and sustainable use of forests, forest inventory, application of information technologies and aerospace methods in forestry and landscape construction.

The purpose of the Educational Program of the PhD degree program is to prepare for activities in the field of optimizing the use and reproduction of forest resources, forest management in the field of their use, protection and reproduction; complex forest zoning and modeling of commodity, bio-ecological productivity of forests, organization of forestry and forest management, development of optimal forest plans for the Republic of Kazakhstan.

The content of the Bachelor's and Master's degree programs corresponds to the State Compulsory Education Standards (SES RK 5.04.19 - 2011. Higher Education, Bachelor's Degree and Basic Principles and SES RK 5.04.033 - 2011. Post-Graduate Education. Master's degree program. Basic provisions.) Since 2013 S.Seifullin KATU received a license for the right to conduct educational activities by the specialty PhD doctoral studies 6D080700- "Forest Resources and Forestry".

Since 2013, undergraduate students are trained in two educational programs. The educational program "Protective afforestation" was created on the basis of the request of employers in connection with the increased need for specialists able to design and implement forest reclamation projects, to control forest management and forestry work on forest care, reforestation and protective afforestation.

The educational program "Landscape design and gardening" was created in connection with the increased need for specialists in landscaping, who are able to organize and carry out work on the design, construction and operation of objects of landscape architecture, the reconstruction of green spaces and parks.

The contingent of students in 2015-2016 by Bachelor's degree makes up 181 people, including 114 in the state language of instruction. The number of Master students makes up 17 people as well as by PhD program - 5.

At the beginning of 2015-2016 academic year, the number of faculty, teaching staff and training support staff makes up 30 employees, of which 26 are faculty members.

Currently there are 1 doctor of science, 2 doctor of philosophy (PhD), 10 candidates of sciences and 9 masters at the department. The average age of full-time faculty members is 43.7 years old, and with academic degrees and ranks -47.8 years old.

The department has agreements on joint cooperation and organization of practical base with enterprises of forestry: JSC "Astana-Zelenstroy", RSE "Zhasyl Aimak", JSC "Astana Ormany", RSE "Kokshetau Selection Center", Kazakh Research Institute of

Forestry and Agroforestry, SNNP "Burabay", SNNP "Kokshetau", SNNP "Bayan-Auyl" and other state forestry institutions of Kazakhstan. For the training focused on the formation of professional competencies, the teachers of the department conduct field classes in JSC "Astana-Zelenstroy", RSE "Zhasyl Aimak", RSE "Kokshetau Selection Center". Educational audiences of the department are equipped with modern technical teaching aids; the educational-scientific-production complex "Sary-Arka" is functioning in Shchuchinsk. In recent years, in accordance with the requirements of credit technology training has developed and published educational and methodical literature on the disciplines of the specialty. At the department there are all the necessary methodological instructions, working and sample programs, manuals for conducting laboratory and practical classes in the disciplines: Dendrology, Timbering, Biology, Forest Cultures, Meteorology, Forest Pyrology, "Specially Protected Natural Territories", "Plant Physiology", "Forest Botany", "Forest Biogeocenology", "Forest Inventory", "Plantation Forest Growing", etc. When implementing educational programs at the department, special attention is paid to attracting students to the research work of the Department: participation in the work of the scientific circle "Ormanshy", in the republican subject Olympiads and competitions of student scientific works; at the Republican and International scientific conferences of young scientists and students.

Within the framework of academic mobility, foreign scientists Michal Zasada and Leh Plotkowski - Poland, Sezgin Ayan - Turkey conducted classes for students of the 3 -4 year and Master students. A third-year student Tokperdinova A., passed the training practice at the University of Applied Science, Germany. In the 2016-2017 academic year students of the 4th year Baltabekova A. during the semester studied and successfully passed the exams at the A. Stulginsky University (Lithuania) and A. Tokberdinova at the George August Göttingen University (Germany).

On external academic mobility in 2015, associate professor Sarsekova D.N. delivered lectures at the Warsaw University of Life Sciences by the "Forestry" discipline. In 2017, 2 lecturers Sarsekova D.N. and Mazarzhanova K.M. will deliver lectures and improve knowledge at the Artvin Choruh University (Turkey) in the framework of academic mobility by Mevlana Exchange Program.

Since 2014 annually the Department hosts the International Summer School on Contemporary Forestry Problems with the participation of foreign scientists, undergraduates from foreign and Kazakhstan universities.

Assistants Zhumabekova Zh. and Kurmangozhinov A. Zh. have won a scholarship for doctoral studies at the Xinjiang Institute of Ecology and Geography of the Chinese Academy of Sciences, China as well as Kadyrbekov Zh. is studying by doctoral studies at the Northwestern University of Agriculture and Forestry of China.

Graduates of the "Forest Resources and Forestry" specialty may work as a forestry engineer, forest ranger, forestry assistant, forest protection engineer, forestry nursery master, landscaper at the following enterprises: JSC "Astana-Zelenstroy", State Enterprise "Zhasyl" Aimak, Astana Ormany, Kokshetau Selection Center, KazNIFA, SNNP "Burabay", SNNP "Kokshetau", SNNP "Bayan-Auyl" and other state institutions of Kazakhstan. According to the State Center for the Payment of Pensions, the employment of bachelor's graduates in 2016 was 90%, graduates of the Master degree program makes up 100%.

The Educational Program by "Forest resources and forestry" specialty provides deep theoretical knowledge and practical skills in forest resource accounting and protection,

forest management, forest planting and growing of planting material, planting of greenery in populated areas, development of forest nursery projects, ways of creating forest crops, protective and tree-planting afforestation and forest melioration technology.