

Career guidance work of the Department of "Space Engineering and Technology"

Currently, the space industry of the Republic of Kazakhstan needs highly qualified specialists with developed competencies in the field of design, production and operation of space systems. The space industry is one of the successfully developing industries in Kazakhstan.

The Department of Space Engineering and Technology is one of the few that trains high-profile specialists. The teaching staff of the department is aimed at a promising direction - to become a research center in the field of the space industry.

Training at the department is conducted according to the following bachelor's degree programs:

- Group of educational programs: 6B071 – "Space Engineering";
- Field of study: 6B071 – "Engineering and Engineering";
- The code of the educational program: 6B07146 – "Space engineering and technology" - the training period is 4 years.

Training at the department is conducted according to the following Master's degree educational programs:

- Group of educational programs: M107 – "Space Engineering";
- Field of study: 7M071 – "Engineering and Engineering";
- The code of the educational program: 7M07146 – "Space technology and technology" - the duration of training is 2 years (scientific and pedagogical direction).

Employers represented by representatives are involved in the formation of the educational program "Space Technology and Technology":

- JSC "National Company" Kazakhstan Garysh Sapary";
- LLP "Ghalam ";
- JSC "Republican Center for Space Communications";
- JSC "National Center for Space Research and Technology".

The most important conditions for the successful implementation of the training program are the modern material and technical base, the high professional level of the teaching staff of the department. Laboratory equipment and computer equipment of the department are widely used in the educational process: during laboratory classes, scientific research.

The department actively attracts students to carry out scientific research within the framework of international and national scientific projects.

According to the general procedure for the implementation of external academic mobility of students, the L.N. Gumilev ENU provides for the implementation of external academic mobility.

Practical training takes a special place in the training of personnel in the space industry. Future specialists undergo industrial, pre-graduate and professional practices and scientific internships in the following enterprises:

- JSC "National Center for Space Research and Technology";
- JSC "Republican Center for Space Communications";
- JSC "National Company" Kazakhstan Garysh Sapary";
- The "Baikonur" Cosmodrome.



Students undergo practical training at the Baikonur cosmodrome.



We cooperate with the leading universities of the world:

- Technical University of Berlin (Germany);
- Siberian State Aerospace University named after N.F. Reshetnev;
- Samara State Aerospace University;
- Penza State University;
- N.E. Bauman Moscow State Technical University (Russia).

The best research works of students according to the results of the Republican competition among universities of the Republic of Kazakhstan were awarded with diplomas. Also, our students regularly participate in various national and international competitions and take prizes.

This kind of major championships in scientific and technical creativity provide a unique opportunity for our guys to share knowledge, experience and communicate with like-minded people.



Teachers of the department are actively engaged in career guidance work and attract talented applicants from Astana and other cities of Kazakhstan. Thus, on January 17, 2023, at the Lyceum No. 50 named after Rayymbek Batyr in Astana, teachers of the Department of "Space Engineering and Technology" Zhakupova A.E., Ashurov A.E., Kalmanova D.M. and Anuar G.A. conducted career guidance work, which was attended by students of grades 10-11.

Teachers of the L.N.Gumilyov Eurasian National University showed slides on the educational program "Space Engineering and Technologies", held a consultation on passing the UNT-2023 and told general information about the department.

The students were particularly interested in the possibility of studying at foreign universities for academic mobility, as well as international summer schools and research projects where students can participate.

Judging by the involvement of schoolchildren during career guidance, it can be concluded that this industry is of great interest among applicants.