

Research internship of undergraduates of the specialty «Space Engineering and Technology»

2nd year undergraduates of the specialty "Space Engineering and Technology" underwent a research internship in four organizations - at Kazakh enterprises - JSC "Kazakhstan Karaysh Sapary", JSC "National Center for Space Research and Technologies", LLP "Kazakhstan Aviation Industry", LLP "Special Design and Technology Bureau" Aerospace and Special Engineering ".

The internship of undergraduates at the Kazakh enterprises of JSC "NC" Kazakhstan Qarysh Sapary "was held from October 25 to November 7, 2021. On the first day of the internship, the undergraduates got acquainted with safety precautions. The instructions indicate emergency exits on the territory of the company and the rules for using fire extinguishers. The principles of the automated fire extinguishing system in the building were also explained.

During the internship, the undergraduates worked with the ArcGIS, ERDAS Imagine, MODIS and SUOMI programs to process remote sensing information. We also mastered the Solidworks program for modeling aircraft and spacecraft used in production.



On the remaining days of the scientific internship, they were aimed at finding and determining the level of damage suffered from fires on the territory of the state forest fund of the Republic of Kazakhstan. At first, we found an option that allows us to transmit high-quality images of forest areas on the territory of the state.



At the end of the internship, undergraduates submitted a report and received certificates and characteristics for each undergraduate, which passed in JSC "Kazakhstan Karaysh Sapary", JSC "National Center for Space Research and Technology", LLP "Kazakhstan Aviation Industry", LLP "Special Design and Technology Bureau Aerospace and Special Engineering.