

4.3.1. Technologies, machines and equipment for the agro-industrial complex



Уровень Training level: postgraduate study

Form of training: full-time job

Duration of training: 3 years old

Group of scientific specialties: *Agroengineering and food technologies*

Number of seats: 2 (optional)

The postgraduate course in the field of "Technologies, machinery and equipment for the agro-industrial complex" is focused on training highly qualified specialists who are able to conduct research and development aimed at improving the efficiency and sustainability of agricultural production.

The postgraduate program in the field of "Technologies, machines and equipment for the agro-industrial complex" offers an in-depth study of modern technologies for designing and repairing machines, as well as features of machine-building industries. Within the framework of this program, postgraduates will have the opportunity to get acquainted with advanced methods for developing and optimizing machines and equipment used in the agro-industrial sector.

Postgraduate students gain skills in theoretical modeling, experimental research and design of new-generation agricultural machinery. Conducting scientific research by postgraduates aimed at solving actual problems facing modern mechanical engineering opens up broad prospects for future careers in the scientific and industrial fields.

Special attention is paid to improving the reliability and efficiency of agricultural machines, as well as the introduction of innovative solutions in the processes of their repair and maintenance.

Graduate students will work on real projects, collaborating with industry enterprises, which will allow them not only to apply their knowledge in practice, but also to contribute to the development of technologies that contribute to the sustainable development of the agro-industrial complex.

Completion of postgraduate studies involves the defense of a PhD thesis, which is an independent scientific study that contributes to the development of agroengineering in the Russian agro-industrial complex.