

Description of learning outcomes in relation to the level 7 second-cycle learning outcomes characteristics of the Polish Qualifications Framework enabling the acquisition of engineering competences.

Field to which the learning outcomes apply: Field of AGRICULTURAL SCIENCES, scientific discipline: FOOD TECHNOLOGY AND HUMAN NUTRITION.

Name of the study programme: FOOD TECHNOLOGY AND HUMAN NUTRITION

Level of studies: Second-cycle studies (Master's degree)

Study profile: General academic

Symbols of learning outcomes for the study programme	Learning outcomes enabling the acquisition of engineering competences	Reference to the second-cycle characteristics of learning outcomes for qualifications enabling the acquisition of engineering competences – PRK component code)
Knowledge the graduate knows and understands:		
InzTZ2A_W01	to an advanced extent, advanced technological processes used in food production; has knowledge of methods for monitoring and controlling these processes using modern technologies and data analysis techniques.	P7S_WG
InzTZ2A_W02	to an advanced extent, the relationships between technological process parameters and food properties; knows the principles of integrating control, prediction, and optimization systems for food product quality in various branches of the food industry, taking into account current legal and regulatory requirements.	P7S_WG P7S_WK
Skills the graduate is able to:		
InzTZ2A_U01	plan and conduct experiments, interpret results, and formulate conclusions; analyse, design, and improve technological processes in the food industry using engineering tools.	P7S_UW
InzTZ2A_U02	perform a critical analysis and evaluation of existing technological solutions in food production, taking into account their efficiency, quality, ethical, legal, economic, and environmental aspects, as well as formulate and implement improvement actions and recommendations for innovative process solutions.	P7S_UW