

Machines and Equipment for Agriculture and Food Industry (MEAFI)

This BSc. study program has the mission to form higher education degrees with competences and abilities in fundamental field Engineering Sciences, specialized in machines and equipment for agriculture and food industry, in accordance with Romanian National Frame of Qualifications, simultaneously with research activities dedicated to development of interested business environment.

During preparatory period the student acquires general competences (concepts and key elements regarding mathematics, physics, material sciences, mechanics, strength of materials, mechanical and manufacturing technology, process engineering, CAD, CAM, CAE, fluid mechanics and hydraulic machines, mechanisms and parts of machines, culture and civilisation, economy, management, organizational structure), and specific competences (ability for practical applying of knowledge specific in machines and equipment for agriculture and food industry (including packaging technologies), abilities for research and solve tasks in agriculture and food industry, abilities for business and project development in agrifood industry).

The program allows a student to combine individual study with general coursework and offer the necessary tools and background needed to carry out research involved in master degree studies.

The program is flexible, course selection is the atribut of the student in consultation with advisory board, according to a *Plan of Study*.