

# AGRICULTURAL ENGINEERING, BSc

## SHORT DESCRIPTION

The aim of the agricultural engineering program is to train agricultural engineers who have general knowledge in the fields of natural-, technical-, and agricultural sciences, as well as economic knowledge in the area of agricultural production, and general expertise in agricultural processing and farming along with in-depth theoretical knowledge. In our B.Sc. program, besides the theoretical, emphasis is put on practical training and on the acquisition of different technological processes. In this specialization students gain insight into the different fields of agricultural sciences: plant cultivation, animal husbandry, horticulture, fish farming, game management, and forestry. Graduates will gain knowledge in the fields of crop production and animal husbandry, unique agricultural engineering and other general engineering sciences: Zoology, Agricultural History, EU Knowledge, Mathematics, Agricultural Chemistry, Agricultural Botany, Informatics, Animal Physiology, Agricultural and Food Industrial Microbiology, Basic of Plant Physiology, Soil Science, Water Management, Agricultural Fundamentals, Environmental Management, Agricultural Machinery, Economic Sciences, Crop Production, Agroecology, Feeding for Animals, Animal Husbandry, Horticulture, Plant Genetics and Plant Breeding, Statistics, Animals Health, Food Technologies, Quality Management System, Farm Business Management, Forest and Game Management, Grassland Management, Integrated Plant Protection, Agricultural Practice, Plant Pathology, Agricultural Entomology, Ethology, Forcing and Early Vegetable Production, Lake Economical Husbandry Technologies, Qualification of Animal Products, Soil Ecology, Irrigated Farming, Plant Nutrition Management, Medicinal Plants and Spice Crops Production, Operations Management.

## PROGRAM FACTS

- **Program name/academic level:** Agricultural Engineering, BSc
- **Institution:** University of Debrecen
- **Faculty:** Faculty of Agricultural and Food Sciences and Environmental Management
- **Starting date:** September
- **Duration:** 7 semesters
- **Language requirements:** English language proficiency (TOEFL 513 /IELTS 5.5/oral examination)
- **Academic requirements:** high school certificate; Mathematics and Chemistry or Biology (written and oral)
- **Tuition Fee:** 5.500 USD/year
- **One time fees:** application fee 150 USD, entrance examination fee 350 USD

