

MSc in Agronomy at the Faculty of Agronomy and Bioengineering



Award: Master of Science

Duration: 3 semesters (1.5 years)

Tuition Fee: 4200 EUR (1400 EUR per semester)

Start date: every October 1st

Brief description

Master`s Degree Program in Agronomy is addressed to foreigners holding a BSc degree in a discipline related to the content of the programme. The programme of studies consist of the following subjects: crop management, data processing and experimental design, biomass production and management, sustainable crop fertilization, biotechnology in modern agriculture, plant breeding, instrumental analysis, soil ecology and biology, innovations in agriculture. Very wide range of specializations are selected by each student in accordance with students interests:

1. Module I – technologies in environmental protection, biofuels, microbiology of natural environments;
2. Module II – nutrient recycling and biowastes, diagnostics of plant nutritional disorders, protection and enhance the productivity of the soils, sustainable agriculture on peatland ecosystems – opportunities and limitations, systems of crop fertilization, diagnostics of nutritional disorders in crop plants, nutrient management;
3. Module III – grassland management, biodiversity of agricultural ecosystems, integrated pest management, tillage systems, crop protection in practice, breeding for plant resistance, modern aspects of agricultural microbiology;
4. Module IV – environmental biochemistry, molecular plant physiology, genetic engineering, plant genomics, cytogenetics and chromosome engineering, plant tissue and cell culture, molecular plant breeding.

The modules will be available on condition studies are undertaken by at least 5 candidates. Obligatory subjects comprise about 35% of the programme of studies, the rest are selected from specialization courses.

Course overview

The Faculty of Agronomy and Bioengineering at the Poznań University of Life Sciences is our oldest faculty, with a history of almost 100 years. Our assets are connected with the combination of experience and advanced techniques and technologies both in our research and teaching practice. The Faculty has highly qualified staff and excellent teaching and research facilities, including our own experimental stations.

The Master's studies programme comprises over 800 hours of lectures, laboratory classes, seminars, field trips and inspections, e.g. visits at pesticide manufacturing plants both in Poland and other EU countries. The programme is focused on broadly understood issues connected with agriculture in various management systems (conventional farming, organic farming, sustainability farming). Interdisciplinary studies include the latest advances in theory and practice in the field of Agronomy and Agriculture, making it possible for our graduates to acquire skills and qualifications needed to work within the broadly understood agricultural sector, particularly plant breeding and seed production, plant protection against agrophages, renewable energy sources or plant nutrition.

Career opportunities

The graduate agronomists have many career paths, but their careers are generally focused on increasing the quality and amount of food produced for the nation's food supply. They can be teachers, agricultural business consultants or researchers, they might work on farms or in agricultural labs and mills. The graduates will be required to write a Master's thesis and pass the examination.

Leading modules

- Agrobiotechnology,
- Methodology of agricultural experiments,
- Environmental management,
- Instrumental analyses,
- Agrophysics.

Entry requirements

Candidates for registration to this course must first hold at least a Bachelor of Science degree in any of the following areas:

- Agriculture,
- Agronomy,
- Agricultural Engineering,
- Animal Sciences
- Horticulture.