

Agriculture

1. Admission Requirements:

• Prerequisites:

- Successful completion of high school studies and obtaining a baccalaureate degree or equivalent.
- Non-EU Citizens - Contingent upon the presentation of the Graduation Certificate from the preparatory year (excluding those who have completed their previous studies in the Romanian language) and obtaining the Letter of Acceptance issued by the Ministry of Education.
- EU Citizens + Swiss Confederation - Contingent upon the presentation of the Graduation Certificate from the preparatory year (excluding those who have completed their previous studies in the Romanian language) and the recognition of their studies by the National Centre for Recognition and Equivalence of Diplomas (CNRED).

• Entrance Exams:

- The admission average of registered candidates is made up of: average of the baccalaureate exam - weight 100%.
- Admission to undergraduate studies is strictly in descending order of the general admission averages obtained by the candidates respecting the capacity of tuition for each study program

2. Degree Levels:

- Bachelor's Degree: 4-year program.

3. Curriculum:

• Core Courses:

Mandatory courses that all students in the program must take:

- Accounting and Economic Management
- Agrochemistry
- Agricultural Consultancy
- Animal Husbandry
- Biochemistry
- Biophysics and Agrometeorology
- Botany
- Computer Science
- Conditioning and Preservation of Agricultural Products
- Crop Irrigation
- Crop Science
- Ecology and Environmental Protection
- Energy Base and Agricultural Machinery
- Entomology
- Experimental Technique
- Genetics
- Horticultural Technologies
- Land Cadastre

- Land Reclamation
- Management
- Marketing
- Mathematics and Statistics
- Medicinal and Aromatic Plants
- Pasture Cultivation and Forage Plants
- Pedology
- Plant Breeding and Seed Production
- Plant Pathology
- Plant Physiology
- Rural Economics
- Technical Drawing
- Topography

- **Electives:**

- Agricultural Constructions
- Land Rating
- Soil Erosion Control
- Comparative Agri-Food Policies
- Computer-Assisted Instruction
- Ecological Agriculture
- English Language
- Ethics and Academic Integrity
- French Language
- Human Resources Management
- Microbiology
- Comparative Agri-Food Policies
- Soil Biology
- Strategies for Implementing Common Agricultural Policies

- **Major/Concentration:**

The program aims to equip students with the knowledge and skills necessary to navigate and contribute to the multifaceted aspects of the agricultural sector, fostering innovation, sustainability, and effective resource management. Graduates will be proficient in efficiently managing the relationships between these systems. Agricultural engineers will possess the capability to address the diverse challenges encountered in rural agricultural spaces, including but not limited to:

- Development of agricultural enterprises.
- Issues related to the organization and management of agricultural farms.
- Expertise in the evaluation of agricultural lands.
- Efficient management and allocation of funds for sustainable rural development.
- Provision of consultancy and extension services in agriculture.
- Development and implementation of sustainable agricultural production technologies.

• **General Education Requirements:**

- Successful completion of the mandatory courses, seminars and labs, completion of the three internships and the bachelor thesis.

4. **Credits:**

- Each semester carries a weight of 30 ECTS, with a total of 240 ECTS required for graduation. An additional 10 ECTS is allocated to the diploma exam.

5. **Internships and Practical Experience:**

- The practical engagement of students pursuing agricultural studies invariably encompasses a judicious amalgamation of theoretical instruction and experiential learning. This pedagogical approach is meticulously designed to fortify students with the requisite acumen and proficiencies essential for navigating the multifaceted challenges inherent to the agricultural industry. The following delineates salient components integral to the study practice in agriculture: Fieldwork and Farm Practices, Laboratory Work, Internships and Work Placements, and Agribusiness Simulations. This confluence of educational modalities ensures a comprehensive and empirically grounded educational experience, fostering the development of adept and resilient practitioners poised to contribute meaningfully to the agricultural sector.

6. **Research Requirements:**

- Students are involved in research projects, conducting experiments or studies to address specific agricultural challenges and contribute to the advancement of agricultural science.

7. **Academic Advising:**

- During each academic year, students are paired with a dedicated tutor from the teaching staff. This tutor serves as a guiding resource, assisting students in course selection, mapping out their academic trajectory, and addressing both professional and administrative concerns. This academic advisor provides continuous support from the first year of study through the fourth year. Acting as the intermediary between students and academic representatives, including teachers and management, communication is facilitated through various channels such as phone, email, and social media.

8. **Extracurricular Activities:**

- Students in agriculture actively participate in a diverse array of extracurricular activities, strategically selected to complement their academic pursuits and foster holistic personal and professional development. These activities encompass engaging in community service projects aligned with agricultural themes, active involvement in agriculture-related clubs or organizations, and the cultivation of agripreneurial initiatives. These endeavors serve as instrumental conduits for students to apply their academic knowledge in practical contexts, broaden their perspectives, and develop a robust skill set that extends beyond the confines of traditional coursework.
- Complementing their involvement in academic and environmental initiatives, students maintain their own university-level organization—the Students League. This platform serves as a hub for student collaboration, fostering a sense of

community and providing an avenue for collective engagement beyond the confines of their academic pursuits.

9. Examinations:

- The specific requirements for exams in a given discipline are explicitly outlined in the discipline syllabi. Professors communicate these requirements to students during the initial course session. Students must meet various criteria before taking the exam, which include active participation in all laboratory sessions, successful defense of the lab colloquium, and the satisfactory completion and presentation of the semester project with a minimum acceptable grade. The specific criteria vary based on the nature and intricacies of each discipline.

10. Thesis Defense:

- The bachelor thesis undergoes a plagiarism check using specialized software before the decision is made to present it before a committee.
- The bachelor thesis is expected to fulfill all required content chapters with a focus on scientific rigor. It should demonstrate accurate calculations, draw conclusions grounded in evidence, and present information in a clear manner. The presentation is an opportunity to showcase the graduate's professional knowledge and cross-disciplinary skills.

11. Graduation Requirements:

- Students are required to accumulate all 240 ECTS, demonstrating successful completion of exams for all curriculum disciplines. The final examination is twofold, encompassing the assessment of fundamental and specialty knowledge alongside the defense of the bachelor thesis.

12. Degree Awarding:

- Bachelor's Degree in Agriculture.