ESTUDIÁ
#AGROINFORMATICS

Name of the course: Bachelor's Degree in Agroinformatics.

Title: **Bachelor's Degree in Agroinformatics.**

Duration: 4 and a half years.

Associate Degree: University Technician in Data Analysis

Duration: 2 and a half years.

Join the technological revolution in agriculture at a global level

Agricultural and animal production increasingly incorporates precision technologies in response to the demand for quality food for a growing world. The use of machinery equipped with computers and sensors, satellite monitoring of the terrain and the use of chips with veterinary information are some examples of technological resources that generate a large amount of data. These data need to be processed to optimize the productivity of agricultural activities, making them more efficient and sustainable. At this point, agriculture and computing come together to create new technical and scientific possibilities, which demands a new innovative professional profile for a field that is increasingly demanding, competitive and committed to the environment. This UNRaf race will be your gateway to the technological revolution of the new Argentine and global agriculture.

Professional field of action

Graduates in Agroinformatics from UNRaf will be able to work in organizations and ventures linked to the generation of technological products or services for agriculture, such as manufacturers of agricultural machinery and advisory centers for producers. They will be trained to integrate multidisciplinary teams with veterinary doctors, agricultural engineers, among other professionals and basic and applied research scientists in this fundamental productive activity in Argentina and the world.

University Technicians in Data Analysis will be able to collaborate in the processing of information from various sources. They will be able to identify relationships, patterns and associations in large volumes of data using different computer tools for the creation of goods and services. They will also be able to participate in interdisciplinary research teams in the creation and use of statistical models.

Program

1° SEMESTER	University, Society and Knowledge	Contemporary Issues	Academic Reading and Writing Workshop	Statistics and Calculation Workshop	Computer Basics
2° SEMESTER	Mathematical Analysis	Physical	Biology	Programming	
3° SEMESTER	Algebra and analytical geometry	Organic and biological chemistry	Algorithms and data structures	Probability and statistics	Technical English
4° SEMESTER	Computer Security Fundamentals	Digital image processing	Machine learning and artificial intelligence	Databases	Technical English II
5° SEMESTER	Project management and technological ventures	Big data and visualization methods	Advanced programming workshop	Professional practice	
6° SEMESTER	Introduction to Agricultural Production	Surveillance and Strategic Prospective	Transformation and Innovation in Agriculture	Investigation methodology	
7° SEMESTER	Agribusiness	Internet of Things Architecture	Agricultural Automation and Robotics	Data Communication Technologies	
8° SEMESTER	Geographic Information Systems	Agricultural Logistics Technologies	Agricultural Modeling and Simulation	Professional Ethics	Elective Curricular Unit
9° SEMESTER	Elective I	Elective II	Final work		

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