

Bachelor's degree year 1 - semester 1

Tools for mathematics and physics 1 (6 ECTS), including:

** Tools for mathematics (2 ECTS)

** Tools for physics (4 ECTS)

Atoms and molecules (6 ECTS)

Animal and plant biology (6 ECTS), including:

** Animal biology (3 ECTS)

** Plant biology (3 ECTS)

Origin, structure and function of Earth systems (3 ECTS), including:

** Origin of the Universe, solar system, and Earth (1.5 ECTS)

** Structure and function of Earth systems (1.5 ECTS)

Algorithm and computer software: initiation (3 ECTS)

Language techniques (3 ECTS)

English (3 ECTS)

Bachelor's degree year 1 - semester 2

Chemical reactivity (6 ECTS)

Tools for mathematics and physics 2 (6 ECTS), including:

** Tools for mathematics (3 ECTS)

** Tools for physics (3 ECTS)

Cellular biology 1 (3 ECTS)

Structural biology (6 ECTS)

Language techniques and professional project (3 ECTS)

Transdisciplinary option (3 ECTS)

English (3 ECTS)

Preparation to veterinary and agronomy schools entrance exams

Bachelor's degree year 2 - semester 1

Plant physiology and histology (6 ECTS)

Statistical tools (3 ECTS)

Animal development biology (3 ECTS)

Molecular biology and applications (6 ECTS), including:

** Molecular biology (4 ECTS)

** Applications in biology (2 ECTS)

Energetic metabolism (3 ECTS)

Physical science (3 ECTS)

Transdisciplinary option (3 ECTS)

English (3 ECTS)

Preparation to veterinary and agronomy schools entrance exams

Bachelor's degree year 2 - semester 2

Genetics and evolution (6 ECTS), including:

** Eukaryotic genetics (3 ECTS)

** Evolution (3 ECTS)

Animal biology 2 (3 ECTS)

Cell biology 2 (3 ECTS)

Cell and gene technologies (3 ECTS)

Cell biology 2 (3 ECTS)

Homeostasis and membrane physiology (6 ECTS)

Microbiology 1 (3 ECTS)

English (3 ECTS)

Preparation to veterinary and agronomy schools entrance exams

Bachelor's degree year 3 - semester 1

Molecular biology (6 ECTS)

Cell biology 3 (6 ECTS)

Cell communication and its main functions (9 ECTS), including:

** Basics (5 ECTS)

** Advanced class (4 ECTS)

Immunology (3 ECTS)

Professional culture and integration (3 ECTS)

English (3 ECTS)

Preparation to veterinary and agronomy schools entrance exams

Bachelor's degree year 3 - semester 2

Genetics and animal development (6 ECTS), including:

** Genetics (4 ECTS)

** Animal development (2 ECTS)

Enzymology (4 ECTS)

Internship (5 ECTS)

Neuroscience (6 ECTS)

Option (3 ECTS), choose between:

* Metabolic regulation

* Microbiology 2

Professional culture (3 ECTS)

English (3 ECTS)

Preparation to veterinary and agronomy schools entrance exams