

**Biology**  
**Licentiate in Biological Sciences – 6 years**  
**High School and College/University Teachers**  
**of Biology – 5 years**

**Objectives**

Students receive a solid training that allows them to work in scientific research, as well as in the professional practice. They get an integral training, given that they can establish relations with research teams dedicated to different fields of biology.

Graduates will be able to contribute to the scientific and technological development of the country, making use of a solid basis that allows them to understand the different biological phenomena and provide solutions to its problems.

**Contents**

The course of studies is organized in two cycles: Basic Cycle (thirteen compulsory subjects) and a Superior Cycle (10 optional subjects or 9 optional subjects and a Thesis). The Basic Cycle deals with the introductory subjects of extra-biological disciplines, considered to be fundamental and complementary tools to have access to the biologic knowledge and disciplines. The Superior Cycle provides students the opportunity to choose subjects according to the orientation selected. At present, the orientations offered are: Animal Systematic and Morphology; vegetal Systematic and Morphology; Animal Physiology; Ecology; Aquatic Biology; Molecular Biology and Biotechnology; and Genetics and Evolution. The Thesis consists in a research paper done under the supervision of a Tutor.

In order to obtain the Teaching degree students are required to pass the 13 compulsory subjects, 3 optional subjects and 7 subjects of pedagogical training.

**Job Opportunities**

The general training of Licentiates in Biology is oriented to scientific research work. The degree entitles students to do a National or International Doctorate. The working Field for Biologists is very vast and it is tightly linked to the country's development through their participation in different sectors (either public or private). Graduates are qualified to work in the areas of basic and applied research, teaching and industry.

The main job opportunities are offered by the State in official institutions such as: Universities, Scientific Research Committees, Ministries, Secretaries and Museums, among others.

In the private field, they can work in laboratories that produce biochemical, bacteriological and pharmacological products; in industries that produce food and diary products; in Hospitals and Clinics; as well as in consultancies participating in knowledge transmission.

Biologists are connected to all professionals from the medicine sector: Doctors; Dentists; Chemists; Biochemists; Nutritionists and Psychologists. They are also in contact with professionals from other areas such as: Chemists, Geologists, Sociologists, Anthropologists, Veterinaries, Architects, etc.

As a consequence, the main working field are governmental organizations (universities, museums, institutions, etc) Many Universities have grant programmes whose end is to help economically the scientists' first years of work.

Graduates have, besides, job opportunities in the private sector, in labs, diagnosis centres, etc.