### BIOLOGY STUDY PLAN

**FIRST YEAR** 60 ECTS

**Annual**
- Geology (ENG) (9 ECTS)
- Physics (9 ECTS)

**1st semester (Sep-Jan)**
- Biochemistry I (6 ECTS)
- Cell Biology (6 ECTS)
- Chemistry (6 ECTS)
- Mathematics (6 ECTS)

**2nd semester (Jan-Jun)**
- Biochemistry II (6 ECTS)
- Biostatistics (6 ECTS)
- Concepts and Methods in Biology (6 ECTS)

**SECOND YEAR** 60 ECTS

**Annual**
- Botanics (12 ECTS)
- Zoology (ENG) (12 ECTS)

**1st semester (Sep-Jan)**
- Genetics (6 ECTS)
- Microbiology (6 ECTS)
- Thermodynamic and Chemical kinetics (6 ECTS)

**2nd semester (Jan-Jun)**
- Microbial Diversity (6 ECTS)
- Molecular Genetics (6 ECTS)
- Tissue Biology (6 ECTS)

**THIRD YEAR** 60 ECTS

**Annual**
- Ecology (12 ECTS)

**1st semester (Sep-Jan)**
- Physical Anthropology (ENG) (6 ECTS)
- Principles in Animal Physiology (ENG) (6 ECTS)
- Principles in Plant Physiology (6 ECTS)

**2nd semester (Jan-Jun)**
- Advanced Plant Physiology (EFC)(6 ECTS)
- Law and Ethics in Biosciences (6 ECTS)
- Physiology of Animal Systems (6 ECTS)

**FOURTH YEAR** 60 ECTS

**1st semester (Sep-Jan)**
- Scientific and Technical writing skills in Basque (6 ECTS)

**2nd semester (Jan-Jun)**
- Scientific and Technical oral skills in Basque (6 ECTS)

**Optional courses in 3rd and 4th years**
- Entomology (EFC) (6 ECTS)
- Forest Ecology (EFC) (4,5 ECTS)
- Fungal and Algal Diversity (6 ECTS)
- Marine Ecology (EFC) (6 ECTS)
- Microbial Physiology (4,5 ECTS)
- Molecular Cell Biology (ENG) (6 ECTS)
- Molecular Evolution (4,5 ECTS)
- Plan Ecophysiology (6 ECTS)
- Vascular Plant Diversity (4,5 ECTS)
- Vertebrates (ENG) (6 ECTS)

**Optional courses in 3rd and 4th years**
- Human Evolution (EFC) (6 ECTS)
- Environmental Animal Physiology (EFC) (6 ECTS)
- Geobotanics (6 ECTS)
- Zoogeography (4,5 ECTS)
- Limnology (EFC) (6 ECTS)
- Environmental Microbiology (4,5 ECTS)
- Anthropogenetics (6 ECTS)
- Comparative Histology (4,5 ECTS)
- Genetic Engineering & Molecular Genetic Analysis (6 ECTS)
- Applied Microbiology (6 ECTS)

**FINAL YEAR PROJECT (ENG) (12 ECTS)**

ENG: Courses taught in English
EFC: English Friendly Courses, taught in Spanish or in Basque, but support, tutorials and student reporting and exams in English.