
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

- Botany (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)
- Plant 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)
- Geobotany (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.
