

## 13.7.2 BACHELOR OF SCIENCE (CONSERVATION BIOLOGY)

### Entry requirements

A student wishing to pursue a degree in conservation biology (B. Sc. Conservation Biology) must satisfy the minimum Kenyatta University and School of Pure and Applied Sciences entry requirements.

A student to be admitted must satisfy ANY of the following minimum requirements:

- i. Must have passed Biology or Biological Science at KCSE with C+, PLUS at least a C+ in ANY TWO of the following subjects; Physical Sciences, Physics, Chemistry, Geography and Agriculture
- ii. Have a minimum of 2 principal passes one which must be biology in the Kenya Advanced Certificate of Education (KACE),
- iii. Have a C plain in KCSE (or Division III KCE/EACE) with a credit pass at diploma level in any of the following areas: Forestry, Education (Biology, Agriculture), Wildlife, or Wetlands or any other relevant applied science programme from an institution recognized by the University Senate,
- iv. Mean grade of C- (minus) at KCSE and progressed from certificate to Diploma at Kenyatta University or any other recognized/accredited Institutions.

### Examination

University regulations on examinations shall apply.

### Certification

Graduates of this programme will be awarded a Bachelor of Science (Conservation Biology) degree.

### Programme Structure

In each year of study, a student will be required to take all the twelve (12) core units. Each student will also be required to enroll for the required University Common Units.

During the fourth year of study, student will be required to take a project lasting two semesters.

The project will be equivalent to 2 taught units.

### Unit Codes and Titles

UCU 100: Communication Skills

UCU 103: Introduction to Critical and Creative Thinking

### Choose One

UCU 101: Development Studies

UCU104: Introduction to Entrepreneurship

UCU 106: Diversity, Ethics and Citizenship

### Level 100

SMR 100: Introduction to Cell Biology and Genetics

SZL 100: General Zoology

SBT 101: Survey of Plant Kingdom  
SMA 100: Mathematics for Science 1  
SMR 110: Ecological Principles and Concepts  
SMR 101: Plant Structure and Physiology  
SMR 102: Natural History of East Africa  
SMR 103: History of the East African Coast  
SMR 105: Physical and Inorganic Chemistry  
SCB 100: Man and Wilderness  
AGE 102: Physical Geography 1  
SCB 210: Evolution and conservation

### **Level 200**

KCU 202: Basic Soil Science  
SMR 205: Ecological Anthropology  
SMR 209: Principles of Resource Management  
ESU 305: Environmental Economics  
ENS 347: Energy Resources and Management Technologies  
AGE 306: Climatology  
SCB 104: Laboratory and Field Techniques in Ecology  
SCB 203: Tropical Rainforest Ecology  
SCB 204: Introduction to Fisheries, Forestry and Wildlife Resources  
SCB 201: Introduction to Aquatic Systems  
SCB 206: Population and Community Ecology  
SCB 105: Computer Applications in Ecology

### **Level 300**

SMR 300: Research Methods and Biostatistics  
SCB 300: Wetland Ecology and Management  
SCB 302: Conservation Principles  
ERC 304: Agroforestry Systems and Practices  
SCB 301: Tropical Ecology and Conservation  
SCB 307: Conservation of Genetic Resources  
SCB 309: Conservation Areas In Kenya  
AGE 317: Geographic Information Systems  
ENS 349: Rangeland Resource management  
SCB 305: Restoration Ecology  
ASC 404: Environmental Sociology  
SMR 305: Wildlife Ecology and Management

### **Level 400**

SCB 400: Project (2 units over 2 semesters)  
SCB 405: Tropical Landscape Ecology and Management  
SCB 403: Emerging Global Environmental Issues  
SCB 406: Conservation and Management of Aquatic Resources  
SCB 407: Biodiversity and Conservation Biology  
SCB 408: Biological Resource Management  
SCB 409: Ecosystem Management  
SCB 410: Dry land Agriculture  
SMR 410: Nature Based Enterprises and Tourism  
ESU 301: Environmental Policy & Law

