

# Certificate of Higher Education: Field Ecology Framework

## Key Courses

An Introduction to Evolutionary Biology  
Autumn Migrant Birds  
Bird Identification  
Butterflies of Various Habitats  
Climate Change Ecology  
Discovering British Terrestrial Invertebrates  
Discovering Invertebrates  
Discovering Marine and Freshwater Invertebrates  
Dragonflies of Various Habitats  
Entomology: The Larger Insects of Wales  
Ferns and Fern Allies  
Field Survey Techniques  
Fungal Ecology  
Identifying Grasses, Sedges and Rushes  
Identifying Mosses, Liverworts and Lichens  
Introduction to Animal Behaviour  
Introduction to Fungi  
Invertebrate Macrophotography  
Marine Biology: An Introduction  
Plants in their Habitats  
Rocky Shore Ecology & Sampling Techniques  
Understanding Amphibians  
Understanding British Bats: An Introduction  
Understanding British Mammals Insectivores, Rodents and Lagomorphs  
Understanding British Mammals: Mustelids, Canids and Ungulates  
Understanding British Marine Mammals  
Understanding Reptiles  
Waterbird Identification  
Wildflowers Identification and Folklore  
Woodland Birds  
Water: An Introduction

## Please note the following:

- **The Certificate comprises 120 credits.**
- **All four Core Courses must be taken.**
- **A minimum of 50 credits must be taken from the Key Courses.**
- **The Certificate of Higher Education is Level 4 (NQF).**
- **Modules are 10 credits unless otherwise stated.**
- **To obtain the Certificate, candidates must achieve a weighted average of at least 40% overall.**

## Core Courses

Ecology 1	Animal Diversity
Identifying Flowering Plants	Plant Diversity

## Optional Courses

Astronomy: A Gateway to the Stars  
Coastlines - Form and Function  
Conservation of Britain’s Biological Resources  
Dealing with Data: An Introduction to Statistics  
Evolutionary Biology: An Introduction  
Forestry and the Environment  
Identifying Gymnosperms  
Introduction to Geology  
Issues in Conservation  
Know Your Soil (5 credits)  
Living On the Edge: Processes, Places and Pressures  
Peat and Peatlands of Wales  
Soil, Climate and Topography  
Town and Country

## Optional Natural History Studies Courses

Botanical Illustration 1  
Botanical Illustration 2  
Birds and Mammals  
Flower painting (20 credits)

Below are all 5 credit illustration courses:

Crustaceans / Dragonflies / Fungi / Fur, Feather and Scale / Invertebrates / Mosses, Lichens and Liverworts / Seaweed and their Benefit to Society / Seed heads / Shells / Sourced from the Kitchen Garden / Succulents