

**NHFS curriculum - Certificate requires a minimum of 39 credits****Basic courses (3 required)**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Biology for Naturalists	NATH7110E	3.0 CEU
Geology	NATH7175E	3.0 CEU
Introduction to Botany	NATH7120E	3.0 CEU
Introduction to Ecology	NATH7170E	3.0 CEU
The Living Soil	NATH7185E	3.0 CEU
Weather and Climate	NATH7140E	3.0 CEU

**Identification courses (3, 1 plant + 1 animal required)**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Woody Plant ID	NATH7245E	3.0 CEU
Insect Life	NATH7130E	3.0 CEU
Introduction to Fungi	NATH7203E	3.0 CEU
Introduction to Grass ID	NATH8225E	1.5 CEU
Introduction to Ornithology	NATH7118E	3.0 CEU
Mammals	NATH8290E	3.0 CEU
Reptiles and Amphibians	NATH8276E	3.0 CEU
Spring Flower ID	NATH7135E	3.0 CEU
Summer Tree ID	NATH7148E	3.0 CEU
Summer Wildflower ID	NATH7149E	1.5 CEU
Winter Woody Plant ID	NATH7146E	1.5 CEU

**Ecosystems (3 required)**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Chesapeake Bay Ecosystems	NATH8216E	3.0 CEU
Eastern Forest Ecosystems	NATH8215E	3.0 CEU
Stream Ecology	NATH8127E	3.0 CEU
Wetland Ecosystems	NATH8211E	3.0 CEU
Wildlife Ecology	NATH8265E	3.0 CEU

**Conservation (2 required)**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Human Ecology	NATH8280E	3.0 CEU
Land-Use Principles	NATH8255E	3.0 CEU
U.S. Conservation History	NATH8252E	3.0 CEU

**Electives**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Biodiversity	NATH7301E	1.5 CEU
Bird Life	NATH7115E	3.0 CEU
Birds of Prey	NATH7155E	1.5 CEU
Botany for Naturalists	NATH7125E	1.5 CEU
Butterflies of Spring	NATH8277E	1.5 CEU
Butterflies of Late Summer	NATH8271E	1.5 CEU
Butterflies of Early Summer	NATH8270E	1.5 CEU
Chemistry for Naturalists	NATH7129E	3.0 CEU
Ferns and Lycophytes	NATH7148E	1.5 CEU

Introduction to Fern ID	NATH7142E	1.5 CEU
Introduction to Astronomy	NATH8125E	1.5 CEU
Late Summer Wildflowers: The Aster Family	NATH7137E	1.5 CEU
Maryland Lichens	NATH8204E	1.5 CEU
Night Sky for Naturalists	NATH8100E	1.5 CEU
Non-Native Invasive Plants of the Mid-Atlantic	NATH8319E	1.5 CEU
Owls	NATH7165E	1.5 CEU
Rocks and Fossils	NATH7153E	1.5 CEU
Summer Bird Life	NATH7116E	1.5 CEU
Winter Bird Life	NATH7163E	1.5 CEU