

**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	NATH7110	3.0 CEU
Geology	NATH7175	3.0 CEU
Introduction to Botany	NATH7120	3.0 CEU
Introduction to Ecology	NATH7170	3.0 CEU
Introduction to Ornithology	NATH7118	3.0 CEU
The Living Soil	NATH7185	3.0 CEU
Weather and Climate	NATH7140	3.0 CEU

**Identification courses (3, 1 plant + 1 animal required) 7.5 CEUs required**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Insect Life	NATH7130	3.0 CEU
Introduction to Fungi	NATH7203	3.0 CEU
Introduction to Ornithology	NATH7118	3.0 CEU
Mammals	NATH8290	3.0 CEU
Reptiles and Amphibians	NATH8276	3.0 CEU
Spring Flower ID	NATH7135	3.0 CEU
Summer Tree ID	NATH7148	3.0 CEU
Summer Wildflower ID	NATH7149	1.5 CEU
Winter Tree ID	NATH7147	1.5 CEU
Woody Plant ID	NATH7145	3.0 CEU

**Ecosystems (3 required)**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Chesapeake Bay Ecosystems	NATH8216	3.0 CEU
Eastern Forest Ecosystems	NATH8215	3.0 CEU
Freshwater Ecosystems/Stream Ecology	NATH8207	3.0 CEU
Wetland Ecosystems	NATH8211	3.0 CEU
Wildlife Ecology	NATH8265	3.0 CEU

**Conservation (2 required)**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Human Ecology	NATH8280	3.0 CEU
Land-Use Principles	NATH8255	3.0 CEU
U.S. Conservation History	NATH8252	3.0 CEU

**Electives**

<b>Course Title</b>	<b>Course Code</b>	<b>Units</b>
Biodiversity	NATH7301	1.5 CEU
Bird Life	NATH7115	3.0 CEU
Birds of Prey	NATH7155	1.5 CEU
Birds of the World	NATH7195	1.5 CEU
Botany for Naturalists	NATH7125	1.5 CEU
Butterflies of Spring	NATH8277	1.5 CEU
Butterflies of Summer	NATH8271	1.5 CEU
Chemistry for Naturalists	NATH7129	3.0 CEU
Ferns and Lycophytes	NATH7144	1.5 CEU

Interpretation for Naturalists	NATH8284	1.5 CEU
Introduction to Astronomy	NATH8125	1.5 CEU
Introduction to Butterflies and Moths	NATH7268	1.5 CEU
Late Summer Wildflowers: The Aster Family	NATH7137	1.5 CEU
Maryland Lichens	NATH8204	1.5 CEU
Night Sky for Naturalists	NATH8100	1.5 CEU
Non-Native Invasive Plants of the Mid-Atlantic	NATH8319	1.5 CEU
Owls	NATH7165	1.5 CEU
Rocks and Fossils/Rock ID	NATH7150	1.5 CEU
Summer Bird Life	NATH7116	1.5 CEU
Winter Bird Life	NATH7163	1.5 CEU