

## Natural History Field Studies Required Courses

For certification, you must complete 39 Continuing Education Units (CEUs) taken in five subject areas. A credit is equal to 1.5 CEUs.

### Basic Studies (complete 3 courses):

Course Title	Course Code	Units	Term	Comments
Biology for Naturalists	NATH1110E	2 credits	Spring	Annually
Geology	NATH1125E	2 credits	Winter	Annually
The Living Soil	NATH1175E	2 credits	Spring, Fall	Annually
Weather and Climate	NATH1140E	3 CEUs	Fall	Annually

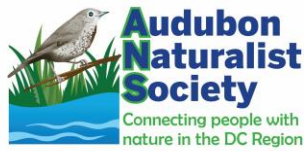
### Identification Courses

(complete 3 courses, to include 1 plant and 1 animal course):

Course Title	Course Code	Units	Term	Comments
Fall Woody Plant Identification	NATH7145E	3 CEUs	Fall	Annually
Insect Life	NATH7130E	3 CEUs	Summer	Annually
Introduction to Ornithology	NATH7118E	3 CEUs	Spring	Annually
Mammals	NATH8290E	3 CEUs	Fall	Alternate years
Reptiles and Amphibians	NATH8276E	3 CEUs	Spring	Alternate years
Spring Flower Identification	NATH7135E	3 CEUs	Spring	Annually
Winter Woody Plant Identification	NATH7146E	3 CEUs	Winter	Annually

### Ecosystems (complete 2 courses):

Course Title	Course Code	Units	Term	Comments
Introduction to Ecology	NATH1160E	2 credits	Fall	Annually
Eastern Forest Ecosystems	NATH8215E	3 CEUs	Fall	Alternate years
Chesapeake Bay Ecosystems	NATH8216E	3 CEUs	Fall	Alternate years
Stream Ecology	NATH8127E	3 CEUs	Spring	Annually
Wetland Ecosystems	NATH8211E	3 CEUs	Summer	Annually



**Conservation (complete 2 courses):**

Course Title	Course Code	Units	Term	Comments
Conservation Philosophy	NATH8250E	3 CEUs	Winter	Alternates with Am. Nature Lit.
Land-Use Principles	NATH8255E	3 CEUs	Winter	Annually
Human Ecology	NATH8280E	3 CEUs	Winter	Annually

**Electives:**

Course Title	Course Code	Units	Term	Comments
American Nature Literature	NATH8248E	3 CEUs	Winter	Alternates w/ Cons. Phil.
Animal Behavior	NATH1151E	2 credits	Winter	
Biodiversity	TBA	3 CEUs	Spring	Alternate years
Bird Life	NATH7115E	3 CEUs	Fall	Annually
Birds of Prey	NATH7155E	3 CEUs	Fall	Alternate years
Early Summer Butterflies	NATH8270E	1.5 CEUs	Summer	New in 2016
Ferns and Lycophytes	NATH7148E	1.5 CEUs	Summer	Alternate years
Introduction to Grass ID	NATH8225E	1.5 CEUs	Summer	
Introduction to Fungi (formerly Mushroom ID)	NATH7203E	1.5 CEUs	Summer	Alternate years
Late Summer Butterflies	NATH8271E	1.5 CEUs	Summer	New in 2017
Night Sky for Naturalists	NATH8100E	1.5 CEUs	Fall	
Non-Native Invasive Plants of Mid-Atlantic	NATH8319E	1.5 CEUs	Summer	
Owls	NATH7165E	1.5 CEUs	Fall	Alternate years
Rock ID	NATHxxxxE	3 CEUs	Winter	
Spring Birding	NATH7187E	1.5 CEUs	Spring	
Summer Bird Life	NATH7116E	1.5 CEUs	Summer	Alternate years
Summer Wildflower Identification	NATH7149E	1.5 CEUs	Summer	Annually
Wildlife Ecology	NATH8265E	3 CEUs	Winter	
Winter Bird Life	NATH7163E	1.5 CEUs	Winter	Alternate years