



APPLICATION FOR CERTIFICATION OF PROFESSIONAL WILDLIFE BIOLOGISTS

Valid Thru December 31, 2017

INSTRUCTIONS: Application must be typed and submitted in English. Submit signed application and appropriate fee payable to: The Wildlife Society, 5410 Grosvenor Lane, Suite 200, Bethesda, MD 20814-2144, USA. It is the applicant's responsibility to provide full documentation of education and professional-level experience as a wildlife biologist. **Applications must be accompanied by completed transcripts with evidence of conferral of degrees.** (See pages 12 and 13 for detailed instructions).

NOTE: Before completing this application, please carefully read the *Program for Certification of Professional Wildlife Biologists*, **valid thru December 31, 2013**, and the information on **pages 12 and 13** of this application. **No application can be processed until a complete application and all supportive materials have been received by The Wildlife Society.**

NAME BIRTHDATE _____
(Last) (First) (Middle) (Month/Day/Year)

ADDRESS* _____ E-MAIL _____
(P. O. Box or Street)

(City) (State/Province) (Postal Code) (Country)

This address is: Home ☐ Work ☐

TELEPHONE NUMBER Home () _____ Business () _____

APPLICATION FOR

Certified Wildlife Biologist ☐

Associate Wildlife Biologist ☐

Certified Wildlife Biologist previously certified as an Associate Wildlife Biologist ☐

Have you ever applied for certification as an AWB? YES___ NO___ or CWB? YES___ NO___ If so, when? _____

MONTH/YEAR AWB STATUS CONFERRED (if applicable) _____

Name as issued on AWB certificate (if applicable) _____

I. COLLEGE/UNIVERSITY EDUCATION

A.

INSTITUTION(S)	DATES ATTENDED	DEGREE	MO-YEAR CONFERRED	MAJOR
1.				
2.				
3.				
4.				

*This address will be used for TWS communication, publications, and Certification Database (once conferred).

B. COMPLETED COURSES: List all courses in their proper category and where course titles do not describe content, provide a written description **immediately below the course listing (do not attach)**. In addition, applicants should provide catalog or own word course description, **immediately below the course listing (do not attach)**, wherever specified and as needed to demonstrate content relevant to the requirement category. See page 13, item B, for further information. **Course credits may be divided, but not duplicated, among categories when a course covers material in more than one category.** All courses must be taken for credit and passed (i.e., D or better or a "Pass" in the case of pass-fail). Please specify all course credits in semester hours (1.5 quarter hours = 1 semester hour). Please fully document any professional experience or non-traditional education to be substituted for educational deficiencies.

1. **Biological Sciences:** 36 semester hours are required.

(Note: 33 credits in subcategories a-e, remaining 3 credits in any of the 5 subject areas)

a. **Wildlife Management (min. 6 semester hours)** Courses emphasizing the principles and practices of wildlife management.

- i. **Course descriptions are required below (do not attach):** Descriptions should demonstrate training in understanding and manipulating habitat relationships and population dynamics in the context of objectives and influences established by human concerns and activities. Conservation Biology courses count if they contain a specific focus on management and decision making.

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> Wetlands Ecology & Management	FWF	UTK	WFS 340	2
<i>Description:</i> Wildlife Damage Management	FWF	UTK	WFS 350	1
<i>Description:</i> Upland Habitat Management	FWF	UTK	FWF 415	2
<i>Description:</i> Prescribed Fire Management	FWF	UTK	WFS 305	2
<i>Description:</i> Wildland Fire Behavior & Mngt	FWF	UTK	FWF 310	1

b. **Wildlife Biology (min. 6 semester hours)** courses in the biology and behavior of birds, mammals, reptiles, or amphibians.

- i. **Course descriptions are required below (do not attach).** Courses should demonstrate training in understanding the biology of wildlife species and their habitat relationships as the basis for management and **must include** at least **one course dealing solely with the science of mammalogy, ornithology, and/or herpetology** (this course must be taken at a college/university and cannot be substituted by another course or experience). Ichthyology, marine biology (except courses focusing on marine mammals or reptiles), microbiology, entomology, or related courses will not count in this category, but will qualify in the Zoology category.

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> Ecology & Management of Birds	FWF	UTK	WFS 445	3
<i>Description:</i> Ecology & Management of Mammals	FWF	UTK	WFS 444	3

Other possible course = WFS 433 (Amphibian Ecology and Conserveation)

c. **Ecology (min. 3 semester hours)** Courses in general plant or animal ecology (excludes human ecology)

- i. **Course descriptions are required below (do not attach).**

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> Organismal and Ecological Biology	BIOL	UTK	BIOL 150	3
<i>Description:</i> Ecology	BIOL	UTK	BIOL 260	2

Description:

d. **Zoology (min. 9 semester hours)** Courses in the taxonomy, biology, behavior, physiology, anatomy, and natural history of vertebrates and invertebrates.

i. **Course descriptions are required below (do not attach).** Courses in genetics, nutrition, physiology, disease, and other biology or general zoology courses are accepted. Ichthyology or fisheries biology courses are accepted.

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> Ichthyology	EEB	UTK	EEB 474	4
<i>Description:</i> Physiology Course	AS or FWF	UTK	AS 220, WFS 431, or WFS 450	3
<i>Description:</i> Fisheries Science	FWF	UTK	WFS 443	3

Other possible courses = WFS 401 (Ecology & Mngt of Wildlife Health) or WFS 452 (Ecology & Mngt of Fishes)

e. **Botany (min. 9 semester hours)** Courses in general botany, plant anatomy, plant genetics, plant morphology, plant taxonomy, plant physiology, and other botany courses.

i. **Course descriptions are required below (do not attach).** One of the following courses – dendrology, silvics, or silviculture are accepted. **At least one course must be primarily concerned with plant taxonomy or identification** (this course must be taken at a college/university and cannot be substituted by another course or experience).

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> Dendrology	FWF	UTK	FWF 212	3
<i>Description:</i> Wildlife Habitat Evaluation	FWF	UTK	FWF 423	2
<i>Description:</i> Botany Course	FWF, EEB or PS	UTK	FWF 325, EEB 330/433, PS 421 EEB 433,463, PS 421	3
<i>Description:</i> Botany Elective	FWF, EEB or PS	UTK	FWF 325, EEB 330/414/424 EEB 433,463, PS 421	3

NOTE: Another option for the Botany Elective is to count 1 credit of BIOL 150 toward it and reduce BIOL 150 to 2 credits in the Ecology requirement, indicating that credits were split between the Ecology and Botany requirement.

2. **Physical Sciences (min. 9 semester hours)** Courses such as chemistry, physics, geology, or soils with at least two (2) disciplines represented.

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> General Chemistry I	CHEM	UTK	CHEM 120	4
<i>Description:</i> Introduction to Soil Science	ESS	UTK	ESS 210	4
<i>Description:</i> ESS, GEOL, or GEOG	ESS, GEOL, GEOG	UTK	ESS 424/462, GEOL 459/485, GEOG 436	3

NOTE: Another option for Physical Sciences is to count 1 credit of Wetlands Ecology and Management (due to discussion on wetland hydrology and soils) and reduce it to 1 credit under the Wildlife Management section.

NOTE: ESS 424 and GEOG 436 count toward the Watershed Minor.

3. **Quantitative Sciences (min. 9 semester hours)**

- a. **Basic statistics (min. 3 semester hours)** Course(s) in basic statistics.

i. **Course descriptions are required below (do not attach).**

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> Statistics	MATH	UTK	MATH 115 or STAT 201	3

- b. **Quantitative Sciences (min. 6 semester hours)** Courses in calculus, biometry, advanced algebra, systems analysis, mathematical modeling, sampling, computer science, or other quantitative science. Elementary algebra, introductory algebra, algebra, introductory GIS, and introductory personal computing classes do not count in this category.

i. **Course descriptions are required below (do not attach).**

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> Basic Calculus	MATH	UTK	MATH 125	3
<i>Description:</i> Measurements & Sampling	FWF	UTK	FWF 313	3
<i>Description:</i> GIS course	BSET, GEOG, FWF	UTK	BSET 326, GEOG 310, GEOG 411/413, FWF 430	3

4. **Humanities and Social Sciences (min. 9 semester hours)** Courses such as economics, sociology, psychology, political science, government, history, literature, or foreign language.

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
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LIST 3 Arts and Humanities,
Culture and Civilizations, or Social
Science Courses

5. **Communications (min. 12 semester hours)** Courses designed to improve communication skills such as English composition, technical writing, journalism, public speaking, or use of mass media.

- a. **Course descriptions are required below (do not attach).** A maximum of three (3) semester hours each will be allowed for a completed Master's thesis and Ph.D. dissertation. Courses in literature interpretation, foreign languages, and classes requiring a term paper, class projects, and seminars in non-communication courses will not count toward this category.

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> English Composition I	ENGL	UTK	ENGL 101	3
<i>Description:</i> English Composition II	ENGL	UTK	ENGL 102	3
<i>Description:</i> Technical Writing	ENGL	UTK	ENGL 295 or 360	3
<i>Description:</i> Public Speaking	CMST	UTK	CMST 210 or 240	3

6. **Policy, Administration, and Law (min. 6 semester hours)** Courses that demonstrate significant content or focus on natural resource policy and/or administrations, wildlife or environmental law, or natural resource/land use planning will apply in addition to courses that document contributions to the understanding of social, political, and ethical decisions for wildlife and natural resources management.
- a. **Course descriptions are required below (do not attach).** Up to three (3) semester hours in classes dealing with human dimension issues may count in this category, depending on course content. Conservation Biology courses that effectively integrate legal and policy aspects of conservation planning will count toward this category. Courses that are tools supporting professional practice, e.g., Landsat, Introductory GIS techniques, or more general courses such as environmental science, resource management, law enforcement, criminology, political science, and introductory survey courses in conservation will not apply.

TITLE OF COURSE	DEPARTMENT	INSTITUTION	COURSE NUMBER	SEMESTER HOURS
<i>Description:</i> Planning & Mngt of FWF Resources	FWF	UTK	FWF 416	3
<i>Description:</i> Human Dimensions or Policy	FWF or SOCI	UTK	FWF 320/420, FOR 422 SOCI 360/465	3

NOTE: FWF 420 counts toward the International Agriculture and Natural Resources Minor.

- C. **THESIS and/or DISSERTATION TITLE(S) YEAR(S) and INSTITUTION(S):** List all degrees earned and attach official transcripts showing conferral of each degree to enable the CRB to determine when professional wildlife work experience began. Attach copies of abstracts or research summary of thesis and/or dissertation so the CRB may determine if the work is relevant to the wildlife profession. Failure to provide this information will result in no experience credit being granted for advanced degrees.

Degree	Title	Year	Institution
M. S.:			
Ph. D.			
Other:			