



APPLICATION FOR CERTIFICATION OF PROFESSIONAL WILDLIFE BIOLOGISTS

Valid Thru December 31, 2014

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 ENST Student
(Last) (First) (Middle) (Month/Day/Year)

ADDRESS* University of Maryland 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.	University of Maryland		B.S.		Environmental Science and Technology - Natural Resource Management Concentration
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
Description:				
			ENST461 - Urban Wildlife Management	3
Description:			ENST462 - Field Techniques in Wildlife Management	2
Description:			ENST 314 - Fisheries Sustainability and Management	3
Description:			ENST463 - Wildlife Habitat and Population Modeling	3
Description:				

- 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
Description:				
			ENST214 - Intro to Fish and Wildlife	3
Description:			BSCI 334+335 - Mammalogy + Lab	4
Description:			ANSC452 - Avian Physiology	3
Description:				

- 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
Description:				
			ENST360 - Ecosystem Ecology	4
Description:			BSCI106 - Biology II (Intro Ecology + Evolution)	4
Description:				

Applicant's name ENST Student

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
Description:	BSC1334+335 -	Mammalogy		4
Description:	BSC1467 -	Freshwater Biology		4
Description:	ANSC252 -	Introduction to the Diseases of Wildlife		3
Description:				
Description:				

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
Description:	ENST450 -	wetland Ecology (focus on plants)		3
Description:	PLSC471 -	Forest Ecology		3
Description:	BSC1362 -	Ecology of Marsh and Dune Vegetation		2
Description:	ENST406 -	Applied Forestry Practices		3
Description:	BSC1493 -	Medicinal and Poisonous Plants		3

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
	ENST200 -	Introductory Soil Science		4
	PHYS121 -	Physics		4
	CHEM131/132 -	Chemistry I		4
	CHEM231/232 -	Organic Chemistry		4

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
Description:	BIOM301 - Biometrics			3
Description:				
Description:				
Description:				
Description:				

- 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
Description:	MATH40 or 220 - Calculus 1			4 or 3
Description:	GEOG373 - Geographic Information Systems			3
Description:				
Description:				
Description:				

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
University of Maryland General Education Requirements should satisfy this				

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
Description:	ENGL101	- Academic Writing		3
Description:	COMM107	- Oral Communication		3
Description:	ENGL 39X	- Professional Writing		3
Description:	Need one additional course			3 or 5
Description:	(ENST389- Internship, or combination of ENST471 + 472 - Capston 1 + 2 ?)			

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
Description:	ENST404	- Natural Resources and Environmental Ethics		3
Description:	ENST487	- Environmental Conflicts and Decision Making		2
Description:	AREC240	- Economics and the Environment		4
Description:	SOCY305	- Scarcity and Modern Society		3
Description:				

- 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:			