



THE WILDLIFE SOCIETY

Leaders in Wildlife Science, Management and Conservation

ASSOCIATE WILDLIFE BIOLOGIST® APPLICATION FORM

FIRST NAME:

MIDDLE:

LAST:

INSTRUCTIONS:

1. Membership in TWS is required to apply for certification.
2. Application must be typed and submitted in English.
3. Applications must be filled out using Adobe Reader software.
4. Supplemental information may be uploaded along with a completed application form, if needed.
5. Applicant is responsible for providing full documentation of educational experience.
6. Completed transcripts with evidence of conferral of degrees are required. No application can be processed until a complete application and all supportive materials have been received.
7. **Upload application at <https://wildlife.org/login> and navigate to Your Account -> Certification**
8. Applicants should expect a decision to be made within 4-6 months.
9. Questions should be sent to certification@wildlife.org

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EDUCATION

List all post-secondary school educational institutions attended.

List all degrees earned starting with the most recent, and submit transcripts showing conferral of each degree. Applicants must have at minimum completed a course of study in a college or university leading to a Bachelor of Science, Bachelor of Arts, or equivalent.

INSTITUTION	DATES ATTENDED (MM/YY-MM/YY)	DEGREE (B.S., M.S., etc.)	DATE CONFERRED (MM/YYYY)	MAJOR
1. 				
2. 				
3. 				
4. 				
5. 				
6. 				



COMPLETED COURSES

It is the applicant's responsibility to provide full documentation of education. **Each applicant must submit transcripts documenting completion of the educational requirements.** Transfer credits shown on another university's transcripts will be accepted for use on the application if the course number, grade, and credit hours are present. If these three items are not present, the applicant must obtain an additional transcript from the institution where the transfer credits were taken. High School A.P. classes will be accepted provided the applicant validates the course either through college transcripts or A.P. test scores of 4 or 5.

All courses must be taken for credit and passed (i.e., C- or better, "Pass" in the case of pass/fail, or "Satisfactory in the case of satisfactory/unsatisfactory). **Course descriptions are required for all sections except Physical Sciences and Humanities and Social Sciences. Applicants may provide course descriptions in the "Professional Experience or Non-traditional Education" box of these sections if an explanation is helpful or necessary.**

Course semester hours may be divided, but not duplicated, among two categories when a course covers material in more than one category. Applicants may split and distribute the semester hours of one course that covers multiple disciplines into no more than two categories; for example, 4 semester hours in general biology may be used to satisfy up to 2 semester hours in zoology courses and up to 2 semester hours in botany. Similarly, 4 semester hours in general genetics may be used to satisfy up to 2 semester hours in zoological courses and up to 2 semester hours in botany. The smallest unit of credit that may be distributed is one semester/quarter hour. A full course's semester hours cannot be listed or counted in more than one category.

Comparable experience may be substituted for educational experience, however, the applicant must have at least one college or university course in each category. For continuing education or professional experience to substitute for educational requirements, the applicant must have at least one college or university course (at least 3 semester hours) in that educational category. These comparable qualifications must be detailed in the application at the bottom of each educational category. Applicants should include the duration of time and an estimate of the number of semester hours that should be awarded for non-traditional or professional experience. Examples may include published papers or a completed thesis to meet course requirements in English composition or technical writing. When substituting professional experience, a letter of reference from a professional wildlife biologist that has worked with the applicant is recommended.

The educational requirements are expressed in semester hours. One semester hour usually reflects one lecture hour or 3 laboratory hours of instruction per week for a 16-week term. One quarter hour normally equals 0.67 semester hours. Applicants for certification who attended educational institutions that grant credits in different units must convert their credits to semester hours according to definitions above. For example, in many Canadian universities a one-credit course meets 3 hours per week for 2 terms and thus equals 6 semester hours. The Certification Review Board recognizes that the minimum number of credit hours may not be met exactly in some cases because of differing credits awarded to the same subject at different institutions and/or because of uneven conversions from quarter hours to semester hours.

College credits taken outside the United States often vary from the American system. When the educational program differs considerably from the American system, applicants must upload a separate document with a detailed description of courses taken and the credits obtained.

A. Wildlife Management and Biology, *minimum 12 semester hours*

Courses emphasizing the principles and practices of wildlife management and an understanding of the biology of wildlife species and their habitat relationships as the basis for management.

Course descriptions are required. At least one course (≥ 3 credits) must demonstrate training in understanding and manipulating wildlife habitat relationships and population dynamics in the context of objectives and influences established by human concerns and activities. Conservation biology courses are accepted if they contain a specific focus on wildlife management and decision making. One course (≥ 3 credits) must focus solely on the science of mammalogy, ornithology, or herpetology (this course must be taken at a college/university and cannot be substituted by experience). Courses that combine herpetology, mammalogy and/or ornithology will meet this requirement. Up to 3 credit hours of invertebrate biology courses can be counted as long as there is specific focus on natural resource management applications. Ichthyology, marine biology (except courses focusing on marine mammals, birds or reptiles), microbiology, or related courses will not count in this category, but will qualify in the Zoology category.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1.					
Fish and Wildlife Management in the Anthropocene	Zoology	University of Wyoming	2450		2.0

COURSE DESCRIPTION:

Course examines fundamental principles in management of natural resources, especially fish and wildlife populations. Students explore historical to contemporary context of management, population biology, management tools and their application, career opportunities, with specific emphasis on human dimensions, law, and policy. Students will develop oral and written communication skills.

2.

Wildlife Ecology and Management	Zoology	University of Wyoming	4300		5.0
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COURSE DESCRIPTION:

Integrates concepts of vertebrate ecology with the art of wildlife management, stressing approaches to deal with the inherent uncertainty of managing populations. Strategies to increase or decrease populations of target species, tools used to determine population status (e. g. , viability analysis, monitoring, habitat assessment), and ecosystem management approaches. Ability to understand and implement a human systems thinking approach--including social, political, stakeholder, financial, and policy elements of wildlife management decisions. Knowledge of how to identify and build trust/relationships with stakeholders. Knowledge of how the following topics play a role in wildlife management: population biology, harvest management, human-wildlife conflict, disease ecology, and habitat management and conservation. Laboratory included.

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
3.					
Ornithology or Mammalogy or Herpetology	Zoology	University of Wyoming	4350 or 4370 or 4380		3.0

COURSE DESCRIPTION:

Ornithology - Acquaints students with classification, identification, morphology, distribution, natural history and ecology of the birds of North America. Includes laboratory.

Mammalogy - Studies mammals of the world, emphasizing natural history, distribution, taxonomy, ecology and morphology of mammalian species. Includes laboratory.

Herpetology - Introduces the ecology, behavior, morphology, evolution, systematics and conservation of reptiles and amphibians.

4.					
Population Ecology	Zoology	University of Wyoming	4400		3.0

COURSE DESCRIPTION:

Explores quantitative ecology of animal populations, emphasizing theoretical and empirical work. Provides modern coverage of principles of population ecology for wildlife majors. 1) Gain knowledge and further appreciation for contemporary issues in population ecology 2) Use case studies to appreciate both the science underlying conservation policy and management recommendations. 3) Hone critical thinking skills through analysis of material presented in class and primary literature. 4) Gain experience with program R. 5) Acquire ability to interpret and manipulate ecological datasets and graphs.

5.					

COURSE DESCRIPTION:

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
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6.

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COURSE DESCRIPTION:

7.

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COURSE DESCRIPTION:

8.

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COURSE DESCRIPTION:

PLEASE FULLY DOCUMENT ANY PROFESSIONAL EXPERIENCE OR NON-TRADITIONAL EDUCATION TO BE SUBSTITUTED FOR EDUCATIONAL DEFICIENCIES:

WILDLIFE MANAGEMENT AND BIOLOGY, TOTAL SEMESTER HOURS (MIN. 12):

B. Ecology, *minimum 3 semester hours*

Courses in general plant or animal ecology (excludes human ecology).

Course descriptions are required. Examples of other acceptable courses include Ecosystem Ecology, Community Ecology, Environmental Ecology, Forest Ecology, Organismal Ecology, Population Ecology, and Natural Resource Ecology. Course descriptions, immediately following course listing, are required.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1.					
General Ecology	Life Sciences	University of Wyoming	3400		3.0

COURSE DESCRIPTION:

Presents fundamental concepts in population and ecosystem ecology. Emphasizes basic principles and their use in manipulated ecosystems.

2.

Intro Field Ecology	Life Sciences	University of Wyoming	3410		2.0
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COURSE DESCRIPTION:

Field and laboratory course. Introduces methods used in plant and animal ecology.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
3.					

COURSE DESCRIPTION:**PLEASE FULLY DOCUMENT ANY PROFESSIONAL EXPERIENCE OR NON-TRADITIONAL EDUCATION TO BE SUBSTITUTED FOR EDUCATIONAL DEFICIENCIES:****ECOLOGY, TOTAL SEMESTER HOURS (MIN. 3):**

C. Zoology, minimum 9 semester hours

Courses in the taxonomy, biology, behavior, physiology, anatomy, and natural history of vertebrates and invertebrates.

Course descriptions are required. Courses in genetics, nutrition, physiology, disease, and other biology or general zoology courses are accepted. Credits in general genetics and general biology should be split evenly between the Zoology and Botany categories. Ichthyology or fisheries biology courses are accepted.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1. Genetics	Life Sciences	University of Wyoming	3050		2.0

COURSE DESCRIPTION:

Introduces principles of heredity and variation in living organisms, including a study of the nature of the genetic material and its transmission, influence of heredity and environment on the development of individual characters, as well as evolution of organisms and artificial selection of plant and animal varieties. Emphasizes application to today's society.

2. Animal Biology	Life Sciences	University of Wyoming	2022		4.0
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COURSE DESCRIPTION:

An integrative course addressing the evolution, anatomy, physiology, and ecology of animals. Continues building upon the four themes in LIFE 1010, cell and molecular biology, genetics, evolution, and ecology. Preserved animal specimens are dissected during some labs. Intended for students majoring in the life sciences. Laboratory is required.

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
3.					
Comparative Environmental Physiology	Zoology	University of Wyoming	4190		3.0

COURSE DESCRIPTION:

Studies and interprets principles of physiology which adapt animals to various environmental constraints. Introduces discipline which has risen between traditional fields of physiology and ecology and provides understanding of animal distribution and survival.

4.

General Biology	Life Sciences	University of Wyoming	1010		2.0
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COURSE DESCRIPTION:

Fundamental concepts of biology, including basic chemistry of living systems, cell structures and functions, energy relations, genetics, molecular biology, ecology, population dynamics and evolutionary theory. Living invertebrate and vertebrate organisms studied during some lab meetings. Laboratory is required.

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COURSE DESCRIPTION:

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
6.					

COURSE DESCRIPTION:

PLEASE FULLY DOCUMENT ANY PROFESSIONAL EXPERIENCE OR NON-TRADITIONAL EDUCATION TO BE SUBSTITUTED FOR EDUCATIONAL DEFICIENCIES:

D. Botany, *minimum 9 semester hours*

Courses in general botany, plant anatomy, plant genetics, plant morphology, plant taxonomy, plant physiology, and other botany courses.

Course descriptions are required. Dendrology and silvics are accepted. Partial course credit may be allowed for silviculture if content related to dendrology and/or silvics is included. At least one course (≥ 2 semester hours) or the equivalent must be primarily concerned with plant taxonomy or identification. In cases where experience or non-traditional coursework is used to meet the plant taxonomy/identification requirement, the applicant must provide sufficient supporting documentation to demonstrate that the competency obtained is equivalent to a college/university course (e.g., exam score, certificate of completion, etc.). Credits in general genetics and general biology should be split evenly between the Zoology and Botany categories.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1. Vegetation Ecology	Botany	University of Wyoming	4700		4.0

COURSE DESCRIPTION:

Reviews the ecology of major vegetation types, emphasizing patterns of vegetation distribution, vegetation-environment relationships, succession, the effect of fire and management decisions, and methods of vegetation analysis.

2. General Biology	Life Sciences	University of Wyoming	1010		2.0
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COURSE DESCRIPTION:

Fundamental concepts of biology, including basic chemistry of living systems, cell structures and functions, energy relations, genetics, molecular biology, ecology, population dynamics and evolutionary theory. Living invertebrate and vertebrate organisms studied during some lab meetings. Laboratory is required.

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
3. Genetics	Life Sciences	University of Wyoming	3050		2.0

COURSE DESCRIPTION:

Introduces principles of heredity and variation in living organisms, including a study of the nature of the genetic material and its transmission, influence of heredity and environment on the development of individual characters, as well as evolution of organisms and artificial selection of plant and animal varieties. Emphasizes application to today's society.

4. Plant Diversity and Systematics	Botany	University of Wyoming	3600		4.0
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COURSE DESCRIPTION:

A broad introduction to modern vascular plant systematics, with emphasis on identification, classification, nomenclature, speciation, adaptation, convergence, and phylogenetic methods. Lab emphasizes learning major flowering plant families and genera, major invasive species, use of keys and manuals, and plant collection, with a Wyoming and Rocky Mountain focus.

5. Plant Ecophysiology/Plant Form and Function	Botany	University of Wyoming	3000		4.0
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COURSE DESCRIPTION:

Integration of basic vascular plant anatomy, morphology, physiology within the contexts of modern evolutionary and ecological theory. Students receive in depth exposure to fluid flow, energetics, development, growth, general metabolism, and structure, and functions for plant cells, tissue and organs.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
6.					

COURSE DESCRIPTION:**PLEASE FULLY DOCUMENT ANY PROFESSIONAL EXPERIENCE OR NON-TRADITIONAL EDUCATION TO BE SUBSTITUTED FOR EDUCATIONAL DEFICIENCIES:****BOTANY, TOTAL SEMESTER HOURS (MIN. 9):**

E. Physical Sciences, *minimum 9 semester hours*

Includes courses such as chemistry, physics, geology, or soils with at least two disciplines represented.

Course descriptions are NOT required. If applicants believe a course description would be helpful, additional information can be provided in the Professional Experience or Non-traditional Education Section.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1. General Chemistry 1	Chemistry	University of Wyoming	1020		4.0
2. General Chemistry II	Chemistry	University of Wyoming	1030		4.0
3. General Physics I or Physical Geology or Introduction to Soil Science	Physics or Geology or Soil	University of Wyoming	1100 or 1100 or 2010		4.0
4.					
5.					
6.					

PLEASE FULLY DOCUMENT ANY PROFESSIONAL EXPERIENCE OR NON-TRADITIONAL EDUCATION TO BE SUBSTITUTED FOR EDUCATIONAL DEFICIENCIES:

PHYSICAL SCIENCES, TOTAL SEMESTER HOURS (MIN. 9):

12

F. Basic Statistics, *minimum 3 semester hours*

Course(s) in basic statistics.

Course descriptions are required.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1.					
Fundamentals of Statistics or Intro to Research and Analysis	Statistics or Life Sciences	University of Wyoming	2050 or 2100		4.0

COURSE DESCRIPTION:

Statistics - Presents central ideas and fundamental techniques of statistical inference on applications in the biological sciences. Includes probability models and inferences for means, variances and parameters of discrete distributions.

Intro to Research and Analysis - Students gather and analyze data in the context of life science research projects. provides a foundation in research design, probability and inference, and basic computational skills to support graphical and formal analyses of research data. Data visualization and introduction to coding in R, summary statistics and data distributions, statistical interpretations with categorical and continuous predictors, mathematical modeling in biology, synthesis + independent analyses, interpret patterns in data to test your hypothesis and draw scientific conclusions. develop testable scientific hypotheses.

2.

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COURSE DESCRIPTION:

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BASIC STATISTICS, TOTAL SEMESTER HOURS (MIN. 3):

4

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G. Quantitative Sciences, *minimum 6 semester hours*

Courses in calculus, biometry, college algebra, advanced algebra, trigonometry, systems analysis, mathematical modeling, sampling, computer science, or other quantitative science.

Course descriptions are required. Elementary algebra, remedial algebra, and introductory personal computing courses do not count in this category. Geographical Information Systems courses may count if they incorporate analytical components through data collection, analysis, and interpretation.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1.					
Algebra	Mathematics	University of Wyoming	1400		3.0

COURSE DESCRIPTION:

Algebra (3cr) - Emphasizes aspects of algebra important in the study of calculus. Includes notation of algebra, exponents, factoring, theory of equations, inequalities, functions, graphing and logarithms. For students who plan to enroll in a calculus course (MATH 2200 or MATH 2350).

*Note Algebra and/or Trig is waived if students have a high enough ACT, SAT, or MPE math score.

2.					
Trigonometry	Mathematics	University of Wyoming	1405		3.0

COURSE DESCRIPTION:

Trigonometry - Emphasizes aspects of trigonometry important in the study of calculus. Interplay between trigonometric expressions and their graphs. Students are expected to use a graphing calculator in the course and on exams. See instructor for specifications. Topics include: angle measurement, trigonometric functions, graphing, laws of sines and cosines, identities, equations, polar equations and graphs, vectors, complex numbers, DeMoivre's theorem.

*Note Algebra and/or Trig is waived if students have a high enough ACT, SAT, or MPE math score.

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
3.					
Calculus I or Business Calculus	Mathematics	University of Wyoming	2200 or 2350		4.0

COURSE DESCRIPTION:

Calculus I (4cr) - Emphasizes physical science applications. Includes plane analytic geometry, differentiation, applications of the derivative, differential equations, integration and applications.

Business Calculus (4cr) - Includes an introduction to limits; the definition of a derivative; derivatives and their applications; antiderivatives; definite integrals and their applications.

4.

Data/Computer Science Option	Data/Computer Science Option	University of Wyoming	XXXX		3.0
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COURSE DESCRIPTION:

Select an approved data science/computer science option. See advisor for details. TWS will not accept all courses by default.

GIST 2310 has been approved for 2cr

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QUANTITATIVE SCIENCES, TOTAL SEMESTER HOURS (MIN. 6):

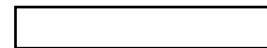
13

H. Humanities and Social Sciences, *minimum 9 semester hours*

Courses such as economics, sociology, psychology, political science, government, history, literature, or foreign language.

Course descriptions NOT required.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1.					
American and WY Government or US/WY History	Political Science/History	Univeristy of Wyoming	XXXX		3.0
2.					
Approaches to ENR Problem Solving	Environment and Natural Resources	University of Wyoming	3000		3.0
3.					
Multiple options for additional humanities or social science	+	+	+		3.0
4.					
Natural Resource Planning and Economics	Environment and Natural Resources	University of Wyoming	3750		1.5
5.					
6.					
7.					



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Note that Approaches to ENR Problem Solving (ENR 3000) is classified by the University of Wyoming as a humanities/social science. Students receive credit toward their university general education core for this course (human culture requirement).

Course description: Provides an introduction to environmental and natural resources problem solving and decision making. Students learn how scholars and practitioners define and structure ENR problems for management and policy decision making. Additionally, students learn approaches, processes and techniques that address problems analytically and in a values-oriented context.

Learning outcomes for why the University of Wyoming considers this a human culture requirement:

- Examine values about human culture and the place of humanity in the world.
- Explain human ideas and experiences and how those influence societies, human behavior, and human-social interactions.
- Compare different methods and theories to interpret and explain human events and cultures.
- Examine the role of diversity in human societies and how diversity impacts global change.
- Analyze how culture and diversity can be depicted through different forms of expression
- Apply Cultural meaning through different forms of expression
- Access diverse information through focused research, active discussion and collaboration with peers.
- Separate facts from inferences and relevant from irrelevant information and explain the limitations of information.
- Evaluate the credibility, accuracy and reliability of conclusions drawn from information.
- Recognize and synthesize multiple perspectives to develop innovative viewpoints.
- Analyze one's own and other's assumptions and evaluate the relevance of contexts when presenting a position.
- Communicate ideas in writing using appropriate documentation.

HUMANITIES AND SOCIAL SCIENCES, TOTAL SEMESTER HOURS (MIN. 9):

10.5

I. Communications, *minimum 12 semester hours*

Courses designed to improve communication skills such as English composition, technical writing, journalism, public speaking, or use of mass media.

Course descriptions are required: A maximum of three 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 generally will not count toward this category. However, non-communication courses designated by the college or university as communication-intensive (e.g., writing-intensive course) will be accepted in this category. The applicant must provide official university documentation describing how the course meets the communication-intensive requirement. Applicants may receive partial credit for non-communication courses that have a significant component dedicated to improving communication, such as senior thesis and other capstone courses, and natural resource-related seminars. A course syllabus or letter from an instructor describing the communication component of the course is required.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1.					
College Composition and Rhetoric or Honors Collq. I	English or Honors Program	University of Wyoming	1010 or 1020		3.0

COURSE DESCRIPTION:

College Composition and Rhetoric - A composition course emphasizing expository writing, analytical reading, and academic and civic argumentation in a range of print, oral, and digital genres. Meets university communication 1 requirement.

Honors Collq. I - Honors Colloquium I is the first course in a two-semester sequence introducing students to the Honors College and to interdisciplinary modes of inquiry and expression through intensive analytical reading and writing, lectures, Scholars Sessions, and experiential learning.

Learning outcomes for communication level I requirement (pg 3):
https://www.uwyo.edu/usp/_files/docs/usp-2015-student-learning-outcomes.pdf

2.

Environment and Society	Environment and Natural Resources	University of Wyoming	2000		3.0
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COURSE DESCRIPTION:

Develops understanding of the nature and dimensions of environmental and natural resource issues. Explores ways in which elements of society approach, evaluate, and develop positions relative to environmental issues. Uses case studies to illustrate the contemporary and historical role of individuals and societies in identifying and addressing environmental issues at scales ranging from local to global. Meets university communication 2 requirement. See attached for how course meets communication 2 requirements.

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
3.					
Environmental Assessment	Environment and Natural Resources	University of Wyoming	4900		3.0

COURSE DESCRIPTION:

An integrative course in which students work in multidisciplinary teams to synthesize and apply environment and natural resources analytical frameworks, perspectives, methods, and theories. Students develop and refine critical thinking skills to address a real-world environment and natural resources challenge. Meets university communication 3 requirement.

See attached for how course meets communication 3 requirements.

4.					
Applied Principles of Science Communication or Additional Comm	Zoology / XXXX	University of Wyoming	4200 / XXXX		3.0

COURSE DESCRIPTION:

Provides hands-on, capstone-level instruction in multimedia communication for biological science majors. Teaches students to use evidence-based approaches to sharing science beyond academia (e.g. for policy, community-engaged research, science outreach, etc.).

See attached for how course meets communication 3 requirements.

5.					

COURSE DESCRIPTION:

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
6.					

COURSE DESCRIPTION:

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7.					

COURSE DESCRIPTION:

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8.					

COURSE DESCRIPTION:

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PLEASE FULLY DOCUMENT ANY PROFESSIONAL EXPERIENCE OR NON-TRADITIONAL EDUCATION TO BE SUBSTITUTED FOR EDUCATIONAL DEFICIENCIES:

COMMUNICATIONS, TOTAL SEMESTER HOURS (MIN. 12):

J. Policy, Administration, and Law, *minimum 6 hours*

Courses that demonstrate significant content or focus on natural resource policy and/or administration, 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.

Course descriptions are required: Up to three 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.

COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
1.					
Natural Resource Planning and Economics	Environment and Natural Resources	University of Wyoming	3750		1.5

COURSE DESCRIPTION:

Economic concepts and rudimentary analytical tools are applied to federal, state and local natural resource planning and management programs. The value of economic input into natural resource policy is examined. Evaluating tradeoffs and resolving conflicts play a particularly important role in the course content. 1. To grasp the breadth of natural resource planning and management issues as they impact resource quality and availability as well as social and individual choice. 2. To utilize economic concepts to evaluate specific natural resource issues, market outcomes and public policy initiatives. 3. To develop an understanding of the contemporary political, cultural, social, environmental and economic context in which natural resource policy has evolved and is evolving.

2.

ENR Law Policy Option	Environment and Natural Resources	University of Wyoming	XXXX		3.0
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COURSE DESCRIPTION:

Not all law/policy courses are accepted by TWS. See advisor for details.

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COURSE TITLE	DEPARTMENT	INSTITUTION	COURSE NUMBER	LETTER GRADE	SEMESTER HOURS
3.					
Fish and Wildlife Management in the Anthropocene	Zoology	University of Wyoming	2450		2.0

COURSE DESCRIPTION:

Course examines fundamental principles in management of natural resources, especially fish and wildlife populations. Students explore historical to contemporary context of management, population biology, management tools and their application, career opportunities, with specific emphasis on human dimensions, law, and policy. Students will develop oral and written communication skills.

4.

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COURSE DESCRIPTION:

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5.

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COURSE DESCRIPTION:

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PLEASE FULLY DOCUMENT ANY PROFESSIONAL EXPERIENCE OR NON-TRADITIONAL EDUCATION TO BE SUBSTITUTED FOR EDUCATIONAL DEFICIENCIES:

POLICY , ADMINISTRATION, AND LAW, TOTAL SEMESTER HOURS (MIN. 6):

6.5

THESIS AND/OR DISSERTATION(S)

Submit copies of abstracts or research summaries of thesis and/or dissertation(s) along with this application so the Certification Review Board 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.

TITLE:**DEGREE:**
(e.g. M.S., Ph.D)**INSTITUTION:****YEAR:**

TITLE:**DEGREE:**
(e.g. M.S., Ph.D)**INSTITUTION:****YEAR:**

TITLE:**DEGREE:**
(e.g. M.S., Ph.D)**INSTITUTION:****YEAR:**

TITLE:**DEGREE:**
(e.g. M.S., Ph.D)**INSTITUTION:****YEAR:**

SELECTED PUBLICATION CITATIONS

Not required, but encouraged as supporting material. Additional citations may be uploaded along with application.

1.

2.

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9.

OTHER INVOLVEMENTS AS A PROFESSIONAL WILDLIFE BIOLOGIST

Optional. Provide information that supports your application, such as memberships, offices held, duties performed, etc.

PROFESSIONAL REFERENCES

Provide information for three wildlife professionals who have agreed to provide references on your behalf, if requested to do so by the Certification Review Board. They should know your present and past experiences as a practicing wildlife biologist. Please indicate which references, if any, are Certified Wildlife Biologists®. At least one reference must be from a professional employed outside your own organization. Do not list personnel that you supervise or immediate family members.

1. REFERENCE NAME:**CURRENT POSITION TITLE:****EMPLOYER:****ADDRESS:****EMAIL:****PHONE:****IS THIS REFERENCE A CWB®?**☐ YES ☐ NO

2. REFERENCE NAME:**CURRENT POSITION TITLE:****EMPLOYER:****ADDRESS:****EMAIL:****PHONE:****IS THIS REFERENCE A CWB®?**☐ YES ☐ NO

3. REFERENCE NAME:**CURRENT POSITION TITLE:****EMPLOYER:****ADDRESS:****EMAIL:****PHONE:****IS THIS REFERENCE A CWB®?**☐ YES ☐ NO

SUMMARY

Please ensure that all the fields are filled, and that you have met the qualifications for certification. If you find that you are deficient, consider including professional experience that may qualify as a substitution, if you have not done so already. If deficiencies exist, ensure proper documentation has been provided to express how you meet qualifications.

A. Wildlife Management and Biology

Min: 12

B. Ecology

Min: 3

C. Zoology

Min: 9

D. Botany

Min: 9

E. Physical Sciences

Min: 9

F. Basic Statistics

Min: 3

G. Quantitative Sciences

Min: 6

H. Humanities and Social Sciences

Min: 9

I. Communications

Min: 12

J. Policy, Administration, and Law

Min: 6

SUBMISSION

Please upload your application, along with your transcripts and any other supporting documents, at <https://wildlife.org/login> and navigate to Your Account -> Certification