

WILDLIFE CONSERVATION MAJOR WITH HUMAN DIMENSIONS OPTION

Program Curriculum

Code	Title	Credits
Degree Core Requirements		
BIOL 1115	Principles of Biology Laboratory	1
BIOL 1116	Principles of Biology Laboratory	1
BIOL 2704	Evolutionary Biology	3
FIW 2114	Principles of Fish and Wildlife Conservation	3
Select one of the following:		4
FIW 4314	Conservation of Biological Diversity (Wildlife Majors)	
FIW 4714	Fisheries Management (Fisheries Majors)	
FIW 4414	Population Dynamics and Estimation	3
FIW 4464	Human Dimensions of Fisheries and Wildlife	3
NR 1234	First Year Experience In Natural Resources and Environment	2-3
or NR 2234	1st Semester Experience-Transfer Students in Natural Resources and Environment	
Subtotal		20-21
Major Requirements		
Select one of the following:		3
BIOL 3204	Plant Taxonomy	
HORT 3324	Herbaceous Landscape Plants	
HORT 3326	Woody Landscape Plants	
FIW 2314	Wildlife Biology	3
FIW 2324	Wildlife Field Biology	3
FIW 4214	Wildlife Field Techniques	3
FIW 4434	Wildlife Habitat Ecology and Management	3
FREC 2324	Dendrology Laboratory	1
<i>Vertebrate Biology Restricted Elective</i>		
Select one of the following: (must include labs)		4
BIOL 4404	Ornithology	
FIW 4334	Mammalogy	
FIW 4344	Herpetology	
Subtotal		20
Additional Degree Requirements		
CHEM 1035	General Chemistry	3
CHEM 1036	General Chemistry	3
CHEM 1045	General Chemistry Laboratory	1
CHEM 1046	General Chemistry Laboratory	1
<i>Experiential Learning Requirement</i>		
Select one of the following: (requires department approval)		1
FIW 2974		
FIW 2994	Undergraduate Research	
FIW 3964		
FIW 4974		
FIW 4994	Undergraduate Research	

XXXX 3954	Study Abroad	
<i>Legal Foundation Restricted Elective</i>		
Select one of the following:		3
AAEC 3314	Environmental Law	
FIW 2514	Fish and Wildlife Conservation Policy	
FREC 4434	Natural Resource Policy	
UAP 3354	Introduction to Environmental Policy and Planning	
UAP 4344	Law of Critical Environmental Areas	
<i>Writing Restricted Elective</i>		
Select one of the following:		3
ALCE 3624	Communicating Ag and Life Sciences in Writing	
ENGL 3764	Technical Writing	
ENGL 3774	Business Writing	
Subtotal		15
Option Required Courses		
<i>Education, Outreach, & Interpretation Restricted Elective</i>		
Select one of the following:		3
ALCE 3004	Educational Programs in Agricultural and Life Sciences	
ALCE 4014	Introduction to Cooperative Extension	
ALCE 4304	Community Education and Development	
FREC 3524	Environmental Interpretation	
FREC 3574	Environmental Education Service Learning	
<i>Stakeholder Engagement & Conflict Resolution Restricted Elective</i>		
Select one of the following:		3
FIW 4454	Human-Wildlife Conflicts	
PSVP 2044	Peace and Violence	
RLCL/HUM 3204	Multicultural Communication	
SOC 2034	Diversity and Community Engagement	
SPIA 1024	Community Service Learning	
SPIA 2554	Collaborative Policy-Making and Planning	
STS 3104	Science and Technology in Modern Society	
<i>Ethics & Humanities Restricted Elective</i>		
Select one of the following:		3
HIST 3144	American Environmental History	
PSCI/UAP 3344	Global Environmental Issues: Interdisciplinary Perspectives	
STS/HIST 3705	History of Science	
UAP 4264	Environmental Ethics and Policy	
WATR/GEOG 2004	Water, Environment, and Society	
<i>Social Sciences Restricted Elective</i>		
Select one of the following:		3
FIW 2334	Urbanization and Biodiversity Conservation	
GEOG 4414	Climate Change and Societal Impacts	
AAEC 3324	Environment and Sustainable Development Economics	
APS/AHRM/GEOG/HD/HUM/SOC/UAP 3464	Appalachian Communities	
GEOG 3104	Environmental Justice	

HIST/SOC/ STS 2604	Introduction to Data in Social Context	
SOC 2024	Sociology of Race and Ethnicity	
SOC 3314	Social Movements	
STS 2454	Science, Technology, and Environment	
STS 3334	Energy and Society	
<i>Tourism, Recreation & Management</i>		
Select one of the following:		3
FIW 2234	Fish, Fishing, and Conservation	
FREC 3544	Outdoor Recreation Planning and Management	
HTM 2454	Global Travel & Tourism Management	
HTM 4484	International Tourism	
HTM 3484	Socio-Cultural Impacts of Tourism	
Subtotal		15
Free Electives (Students may need to complete less credit hours in this category depending on choices in categories above)		5
Subtotal		5
Pathways to General Education		
<i>Pathways Concept 1 - Discourse</i>		
ENGL 1105	First-Year Writing (1F)	3
ENGL 1106	First-Year Writing (1F)	3
ALCE 3634	Communicating Ag and Life Sciences in Speaking (1A)	3
	or COMM 2004 Public Speaking	
<i>Pathways Concept 2 - Critical Thinking in the Humanities</i>		
Select three credits in Pathway 2 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G02)		3
Select one of the following:		3
FREC/LAR/NR 2554	Leadership for Global Sustainability (Recommended for Human Dimensions option)	
PHIL 1304	Morality and Justice	
PHIL 2304	Global Ethics	
<i>Pathways Concept 3 - Reasoning in the Social Sciences</i>		
Select three credits in Pathway 3 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G03)		3
Select one of the following:		3
AAEC 1005	Economics of the Food and Fiber System	
	or AAEC 1006 Economics of the Food and Fiber System	
ECON 2005	Principles of Economics	
	or ECON 200 Principles of Economics	
<i>Pathways Concept 4 - Reasoning in the Natural Sciences</i>		
BIOL 1105	Principles of Biology	3
BIOL 1106	Principles of Biology	3
<i>Pathways Concept 5 - Quantitative and Computational Thinking</i>		
Select one of the following:		6
MATH 1025	Elementary Calculus (5F)	
	or MATH 122 Calculus of a Single Variable	
MATH 1026	Elementary Calculus (5F)	
	or MATH 122 Calculus of a Single Variable	
STAT 3604	Statistics for Social Science (5A)	3
	or STAT 3615 Biological Statistics	
<i>Pathways Concept 6 - Critique and Practice in Design and the Arts</i>		

Select three credits in Pathway 6a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06A)	3
Select three credits in Pathway 6d (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06D)	3
<i>Pathways Concept 7 - Critical Analysis of Identity and Equity in the United States</i>	
Select three credits in Pathway 7 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G07)	3
Subtotal	45
Total Credits	120-121

- By the end of the semester in which they have attempted 60 hours (including transfer, advanced placement, advanced standing, and credit by examination), students must pass the courses (or their equivalents) listed in item number 1 in graduation requirements section above.

Graduation Requirements

Minimum hours for degree is 120. A minimum cumulative GPA of 2.0 is required for all work applied to the major.

- To earn a B.S. degree in Wildlife Conservation, a student must pass the following courses, or their equivalents, with a **grade of C - or better**: BIOL 1105 Principles of Biology, BIOL 1106 Principles of Biology, BIOL 1115 Principles of Biology Laboratory, BIOL 1116 Principles of Biology Laboratory, FREC 2324 Dendrology Laboratory and FIW 2114 Principles of Fish and Wildlife Conservation.

There are no hidden prerequisites on this check sheet; however, course requirements may change over time, and students should always check for prerequisites for classes they select.
- Students should consult www.fishwild.vt.edu/experiential_learning.html (http://www.fishwild.vt.edu/experiential_learning.html) for more details on how to fulfill the experiential learning requirement. Note that you will not receive credit for your experiential learning until **all** the documents related to the experience are completed and submitted, in addition to being registered for the experience. Students enrolling in FIW 2974, FIW 3964, or FIW 4974 should use the P/F option; FIW 2994 Undergraduate Research, FIW 4994 Undergraduate Research and XXXX 3954 may be taken P/F or A/F.
- To remain in good standing, a student must achieve and maintain an overall and in-major cumulative GPA of at least 2.0. Courses used for the in-major GPA computation include all those designated as FIW, FREC, GEOG, NR, and SBIO. To graduate, a student must achieve an overall and in-major cumulative GPA of at least 2.0.
- In accordance with university guidelines, courses satisfying degree core requirements may not be double counted to satisfy other areas of a degree (e.g., Pathways).
- If you plan to apply for The Wildlife Society Associate Wildlife Biologist certification, be aware that all courses used in the certification application must be passed with a C- or better beginning with applications submitted in 2023.
- FIW 2514 Fish and Wildlife Conservation Policy is one option for the Legal Foundation Restricted Elective, under Additional Degree Requirements, and it can also serve as an option for 3 credit hours under Pathways Concept 3 requirements.

7. HORT 3324 Herbaceous Landscape Plants and HORT 3326 Woody Landscape Plants will be opened to WLC students only during the Add/Drop registration period when seats are available.

Foreign Language Requirement

A sequence of two (2) foreign language courses is required for graduation unless two (2) high school units of the same foreign language or six (6) transfer credit hours of foreign language have been earned. These credits do not count toward graduation. See catalog section on "Graduation Requirements."

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