

**Fisheries and Wildlife Sciences Curriculum
Concentration in Wildlife Science (FW 046)
Italian Minor 5th-Year Option**

FRESHMAN YEAR			
<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
ENG 101 Academic Writing & Research	4	CH 101 Chemistry-A Molecular Science	3
MA 131 Calculus for Life & Mgmt. Sci. A	3	CH 102 General Chemistry Lab.	1
FL 101 Elementary Italian I	3	FL 102 Elementary Italian II	3
PE 10_ Fitness and Wellness Elective ¹	1		
ZO 150 Animal Diversity	4	COM 110 Public Speaking or COM 112 Interpersonal Communication	3
		ZO 160 Intro Cellular & Developmental Zoology	4
		Physical Education Elective ¹	1
	15		15
SOPHOMORE YEAR			
<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
CH 220 Intro. Organic Chemistry	4	ARE 201 Intro. Agricultural & Resource Economics or EC 205 Fundamentals of Economics	3
FOR 212 Dendrology	4	BO 200 Plant Life	4
FW 221 Conservation of Natural Resources	3	PE 253 Orienteering	1
PY 131 Conceptual Physics or PY 211 College Physics I	4	ZO 260 Evolution, Behavior. & Ecology or BO 360 Intro. Ecology and BO 365 Ecology Lab	4
		Humanities/Social Science Elective ²	3
	15		15
JUNIOR YEAR			
<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
ENG 333 Communication for Science & Research	3	Italian Minor Elective ³	3
FW(ZO) 353 Wildlife Management	3	BO 220 Local Flora	3
PS 201 American Politics and Government	3	FW 404 Forest Wildlife Management ⁴	3
History (Italian Minor) Elective ^{2,3}	3	GN 301 Genetics in Human Affairs	3
ST 311 Intro. Statistics	3	Zoology Elective ⁴	3
	15		15
SUMMER SESSION 1			<i>Credits</i>
FW 311 Wildlife Inventory and Management (4), FW 312 Fisheries Techniques and Management (1), FW 313 Mountain Wildlife Ecology and Management (1)			6
SUMMER SESSION STUDY ABROAD			<i>Credits</i>
Study Abroad Program in Perugia Intermediate Italian I, II			6

		SENIOR YEAR			
<i>Fall Semester</i>	<i>Credits</i>		<i>Spring Semester</i>		<i>Credits</i>
Advised Elective ^{4,5}	3		Wildlife Elective ^{4,6}		3
Italian Minor Elective ³	3		FW 485 Natural Resource Advocacy ⁴		3
FW(ZO) 420 Fishery Science ⁴	3		FW(ZO) 430 Fisheries and Wildlife Administration ⁴		3
FW 453 Principles of Wildlife Science ⁴	4		Humanities/Social Science Elective ¹		3
Visual and Performing Arts/History Elective ¹	3		History/Philosophy/Religion Elective ²		3
	16				15

5th-YEAR at UNIVERSITY OF ROME

Fall Semester

Conservation Biology
Advanced Animal Ecology
Animal Diversity
Management of Biological Diversity

Minimum Credit Hours Required for Graduation 127 (plus 6 for Perugia in summer)

FW 046 Italian Option FOOTNOTES

General Note: Foreign Language proficiency at the FL_102 level is required for graduation. C- or better is required in ENG 101.

1. Two semesters of physical education (PE) are required for graduation, including PE 10_. Fitness and Wellness. PE courses can be taken on an S/U basis.
2. Among the 21 hours of elective Humanities and Social Sciences (HSS), 6 hours are met by PS 201 and ARE 201/EC 205; 6 hours by study abroad in Perugia; and 3 hours are met by a history or history of art as part of the Italian minor. In addition you must take one course in literature, and one course in history, philosophy, or religion. One of these courses must come from the approved list of courses on non-English Speaking Cultures. See http://www.ncsu.edu/provost/academic_programs/ger/ratobj.html
3. FLI 201 and FLI 202 and 3 elective courses; see Italian minor requirements.
4. Courses taken in the 5th year at University of Rome can be substituted for these courses.
5. An advised elective applicable to academic and career goals are to be chosen in consultation with your advisor. Must be 200 level or higher. See list of approved courses below:

Advised Elective – Wildlife Science Concentration (other courses can be selected upon approval of advisor)

ARE	309	Environmental Law & Economic Policy 3(3-0)F
ARE	336	Resource and Environmental Economics 3(3-0)S
BO	400	Plant Structure and Diversity 4(3-3-0)S
BO	405	Wetland Flora 3(2-3)F
ET	252	Intro. to Spatial Technologies 3(2-3-0)S
FOR	252	Forest Science 3(2-3)S
FOR	353	Air Photo Interpretation 3(2-3)F
FOR	460	Renewable Resource Policy and Management 3(3-0)F
FOR	510	Intro. to GPS 1(2-2-0) F,S
FOR	554	Principles of Spatial Analysis 3(2-3-0)F
MB	351	General Microbiology 4(3-3)F,S,Sum
MDS	201	Environmental Ethics 3(3-0)F,S
MDS	220	Coastal and Ocean Frontiers 3(3-0)F,S
MDS	406	Conservation of Biological Diversity 3(3-0)S
MEA	200	Intro. to Oceanography 3(3-0)F,S
MEA	250	Intro. to Coastal Environments 3(3-0) (requires MEA 200 - take as a physical science elec.)
NR	484	Environmental Impact Assessment 4(2-0-4)F
NTR(ANS,FS)	301	Intro. Human Nutrition 3(3-0)F,S
PO	410	Production and Mgt. Game Birds in Confinement 3(2-3)S (requires PO 201)
PRT(PEO)	214	Intro. to Adventure Education 3(3-0-0)F
PRT	442	Recreation and Park Interpretive Services 3(2-3)F
PRT	462	Intro. to Geographic Information Systems 3(3-0)F,S
PS	307	Intro. Criminal Law in the United States 3(3-0)F,S
PS	320	U.S. Environmental Law and Politics 3(3-0)
PS	336	Global Environmental Politics 3(3-0)F,S
SSC	200	Soil Science 4(3-3)F,S

6. Wildlife elective choose from ZO 410, ZO 501, ZO 542, or ZO 544.