

## SECTION IV: DEPARTMENT OF WILDLIFE, FISHERIES AND AQUACULTURE

**WLVM**

**2024–2025 WILDLIFE, FISHERIES AND AQUACULTURE MAJOR**  
**Wildlife Veterinary Medicine Concentration** (Sample Schedule)  
 Total Hours = 124

*effective Fall 2024*

This concentration is offered to students who wish to fulfill the academic requirements for entrance into veterinary school but wish to complete a baccalaureate program before entering into veterinary school. This curriculum satisfies the academic requirements of TWS Wildlife Certification.

### FRESHMAN YEAR

Fall Semester		Spring Semester	
BIO 1134	Biology I*	BIO 1144	Biology II*
CH 1213	Chemistry I* (C in MA 1313 or ACT math subscore 24)	CH 1221	Investigations in Chem. II (CH 1211)
		CH 1223	Chemistry II (C or better in CH 1213)
CH 1211	Investigations in Chem. I*	EN 1113	English Composition II (EN 1103)
EN 1103	English Comp. I (ACT subscore 17)	PH 1113	General Physics I (MA 1323 or ACT math subscore 26)
MA 1613	Calc. for Bus. & Life Sci.* (C in MA 1313 or ACT math subscore 24)		Oral Communication Elective (3)
<b>WFA 1102</b>	<b>Wildlife &amp; Fisheries Profession</b> (FR or SO.) (FL)		

### SOPHOMORE YEAR

Fall Semester		Spring Semester	
BIO 3304	Gen. Microbio.* (CH 1053 or 1223)	BCH 4013	Prin. of Biochemistry* (CH 2503 or BIO 1134)
CH 4513	Organic Chem. I* (CH 1223/1221)	BIO 3103	Genetics (MA 1313, BIO 1134)
CH 4511	Organic Chem. I Lab* (CH 1223/1221)	CH 4523	Organic Chem. II* (CH 4513/4511)
PH 1123	General Physics II* (PH 1113)	CH 4521	Organic Chem. II Lab* (CH 4513/4511)
	Plant Elective (3)		Social Science Elective* (3)
			Statistics Elective* (3)

### SUMMER SEMESTER

Externship (>480 hours of work experience)

### JUNIOR YEAR

Fall Semester		Spring Semester	
BIO 2103	Cell Biology (6 hrs. bio & CH 1223)	<b>WFA 4243</b>	<b>Wildlife Techniques</b> (SO)
<b>WFA 3133</b>	<b>Applied Ecology</b> (BIO 1134, BIO 1144)		Wildlife Vet Professional Elective (3)
			Wildlife Biology Elective (3)
WFA 4123	WF Biometrics (ST 3123 & C in MA 1613)		WFA Social Science Elective* (3)
WFA 4173	Fish Physiology (FL)		Wildlife Vet Professional Elective (3)
	Humanities Elective* (3)		

### Summer Semester

Externship (>480 hours of work experience)

### SENIOR YEAR

Fall Semester		Spring Semester	
<b>WFA 4153</b>	<b>Prin. Wildlife Cons. and Mgt.</b> (SO)(WFA 3133 or FO 4123)	<b>WFA 4473</b>	<b>Wildlife &amp; Fisheries Practices</b> (SR)(WFA 3133 & WFA 4153)(should be taken in last semester)
<b>WFA 4223</b>	<b>Wildlife Plant ID</b> (WFA 3133) (FL)		Wildlife Vet Professional Elective (3)
<b>WFA 4353</b>	<b>Fish and Wild. Policy &amp; Law</b> (SR)(FL)		Natural Resources Policy Elective (3)
	Wildlife Biology Elective (3)		Free Elective (1)
	Fine Arts Elective (3)		Writing Elective* (3)
			Humanities Elective* (3)

Classes in **BOLD** require a C or better. \*Classes with an asterisk need to be passed with a C or better to meet vet school requirements. FL= offered only in fall semester; SP= offered only in spring semester. SO=Sophomore standing, JR=Junior standing, SR=Senior standing  
 An accelerated 3+1 course schedule is available to qualified students. Please check with your advisor.

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### 2024–2025 APPROVED ELECTIVE LIST Wildlife Veterinary Medicine Concentration

FINE ARTS ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)		HUMANITIES ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (6 HOURS)	
ARC 1013	Architectural Appreciation	AAS 1063	Intro to African American Studies
ART 1013	History of Art I	ARC 2313	History of Architecture I
ART 1023	History of Art II	ARC 3313	History of Architecture II (ARC 2313)
ART 1113	Art Appreciation	EN/FL 2123	Greek and Latins Roots of English
ART 2063	Global Contemporary Art	EN 2203	Intro to Lit (EN 1103, EN 1113)
ART 2413	His & Appr of the Artcrafts	EN 2213	English Lit Before 1800 (EN 1103, EN 1113)
CO 1503	Intro to the Theatre	EN 2223	English Lit After 1800 (EN 1103, EN 1113)
HON 3173	Honors Seminar in Fine Arts (SO)	EN 2243	American Lit Before 1865 (EN 1103, EN 1113)
ID 3643	History of Interiors I		
LA 1803	Landscape Architecture Appreciation	EN2253	American Lit After 1865 (EN 1103, EN 1113)
MU 1103	African American Music	EN 2273	World Lit Before 1600 (EN 1103, EN 1113)
MU 1113	His & Appr of Music	EN 2283	World Lit After 1600 (EN 1103, EN 1113)
MU 1123	American Music App	EN 2463	Lit and Pop Culture (EN 1113)
MU 1133	History of Rock and Roll	FL 1113-2143	Foreign Language
PE 1323	His & Appr of Dance	HI 1063	Early US History
PSS 2343	Floral Design	HI 1073	Modern US History
STATISTICS ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)			
ST 2113	Intro to Stats (ACT Math subscore 24 or C in MA 1313 or MA 1213)	HI 1163	World History Before 1500
		HI 1173	World History After 1500
ST 3123	Intro to Stat. Inf. (ACT Math subscore 24 or C in MA 1313) (recommended)	HI 1213	Early Western World
		HI 1223	Modern Western World
		HI 1313	East Asian Civ to 1300
ORAL COMMUNICATION ELECTIVES		HI 1323	East Asian Civ II
AELC 3333	Presentations in Ag & Life Sci (AELC 3203)	HI 4683	Europe: WWI to Hitler (one HI course)
CO 1003	Fund of Public Speaking	HON 1163	The Quest Begins
CO 1013	Intro to Communication	HON 3183	Hon Sem in the Hum (SO)(EN 1103, EN 1113)
WRITING ELECTIVES		PHI 1103	Intro to Philosophy
AELC 3203	Prof Writing ANR Hum Sci (JR)(EN 1103, EN 1113)	PHI 1113	Intro to Logic
		PHI 1123	Intro to Ethics
CO 3343	Writing for the Media (C in EN 1113)	PHI 3023	History of Western Philosophy I
EDF 3413	Writing for Thinking (EN 1103, EN 1113)	PHI 3033	History of Western Philosophy II
EN 3313	Writing for the Workplace (EN 1113)	PHI 3153	Aesthetics
MGT 3213	Organizational Communication (EN 1113)	REL 1103	Intro to Religion
PLANT ELECTIVES		REL 3213	World Religions I
BIO 2113	Plant Biology (BIO 1134)	REL 3223	World Religions II
BIO 2213	Survey of Plant Kingdom	NATURAL RESOURCE POLICY ELECTIVES	
BIO 4203	Taxonomy of Spermatophytes (BIO 2113, BIO 2213)	FO 4343	Forest Admin & Org (JR)
		FO 4353	Natural Resource Law (JR)
BIO 4213	Plant Ecology	FO 4413	Natural Resource Policy (SR)
FO 2113	Dendrology (BIO 1144 or BIO 2113)	PS 4743	Environmental Policy (PS 1113, PS 2703)
PSS 3133	Intro Weed Science (BIO 2113; CH 1213 or CH 1053)	WFA 4363	W&F Admin and Comm (JR)
		WFA 4463	Human Dim of F&W Mgt (JR)

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### 2024–2025 APPROVED ELECTIVE LIST Wildlife Veterinary Medicine Concentration

SOCIAL SCIENCE ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)		WILDLIFE BIOLOGY ELECTIVES	
ADS 1013	Animal Agriculture & Society: Food for Thought	WFA 4423	Herpetology (WFA 3133)
AEC 2713	Introduction to Food and Resource Economics	WFA 4433	Mammalogy (WFA 3133)
AN 1103	Introduction to Anthropology	WFA 4443	Ornithology (WFA 3133)
AN 1143	Introduction to Cultural Anthropology	BIO 3504	Comparative Anatomy (BIO 1134, BIO 1144)
AN 1543	Introduction to Archaeology	BIO 4405	Pathogenic Micro (BIO 3304)
AN 2403	Introduction to the Study of Language	BIO 4514	Animal Phys (10 hrs BIO & Org Chem)
CO 1223	Introduction to Communication Theory	<b>WILDLIFE VET PROFESSIONAL ELECTIVES</b>	
CO 1403	Introduction to the Mass Media	ADS 3013	Anatomy and Physiology (BIO 1134 or BIO 1144)
EC 1033	Economics of Social Issues	ADS 4114	Animal Nutrition
EC 2113	Prin of Macroeconomics (SO)	BIO 3303	Parasitology
EC 2123	Prin of Microeconomics (SO)	BIO 4413	Immunology
EN 2403	Introduction to the Study of Language	PO 4324	Avian Reproduction
EPY 2513	Human Growth and Development	WFA 4263	Wildlife Diseases
EPY 3503	Principles of Educational Psychology	WFA 4323	Wildlife Nutrition & Phys
EPY 3543	Psychology of Adolescence	<b>WFA SOCIAL SCIENCE ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)</b>	
FO 4113	Forest Resource Economics (AEC 2713)	AEC 2713	Intro to Food & Resource Econ
GR 1123	Introduction to World Geography	EC 2113	Prin of Macroeconomics (SO)
GR 2013	Human Geography	EC 2123	Prin of Microeconomics (SO)
HDFS 1813	Development through the Lifespan	EC 4043	Survey of Economics (SR)
HON 1173	The West and the Wider World	GR 2013	Human Geography
HON 3143	Hon Seminar in Soc Sci (SO)(EN 1103, EN 1113)	PS 1113	American Government
PO 1013	Animal Agriculture & Society: Food for Thought	PS 1313	Intro to International Relations
PS 1113	American Government	SO 1003	Intro to Sociology
PS 1313	Introduction to International Relations		
PS 1513	Comparative Government		
PSY 1013	General Psychology		
PSY 3073	Psychology of Interpersonal Relations (PSY 1013)		
SO 1003	Introduction to Sociology		
SO 1103	Contemporary Social Problems		
SO 1203	Sociology of Families		

#### APPROVED SUBSTITUTIONS LIST FOR WILDLIFE VETERINARY MEDICINE CONCENTRATION

Required Courses	Approved Substitution
EN 1103 English Comp I	C or better in EN 1104 Expanded English Comp I (ACT English Sub-score of 16 or below)
EN 1113 English Comp II	EN 1173 Accelerated Comp II
MA 1613 Calc. Bus/Life Science	MA 1713 Calculus I
PH 1113 General Physics I	PH 2213 Physics I
PH 1123 General Physics II	PH 2223 Physics II
WFA 4173 Fish Physiology	CVM 4134 Aqua Anim Health Mgt. (BIO 3304, Physiology)