

SECTION III: DEPARTMENT OF FORESTRY

2018-2019 Forestry Major
Wildlife Management Concentration (FO/WFMG)
Total Hours = 126

Freshman Year

Fall Semester		Spring Semester	
BIO 1134	Biology I	AEC 2713	Intro to Food and Res. Economics
CH 1043	Survey of Chemistry I	BIO 1144	Biology II
EN 1103	English Comp. I (ACT English subscore 17)	EN 1113	English Comp. II (EN 1103)
FO 1101	Forest Resources Survey	Physical Science Elective (3)	
MA 1313	College Algebra (ACT math subscore 19)	CO 1003	Fund. of Public Speaking

Sophomore Year

Fall Semester		Spring Semester	
FO 2113	Dendrology (BIO 1144 or 2113)	FO 3213	Tree Physiology (BIO 1134, BIO 1144)
PSS 3303	Soils (CH 1043)	FO 3103	Computer Appl. For. Resources and Lab
ST 2113	Intro. to Statistics (C in MA 1313 or ACT math subscore 24)	FO 2213	Forest Measurements (ST 2113)
		Fine Arts Elective (3)	
WFA 3133	Appl. Aqua. & Terr. Ecol. (BIO 1134, BIO 1144)	Humanities Elective (3)	

Summer Field Program

- FO 3012 Intro to Forest Communities** (PSS 3303, FO 2113)
- FO 3015 Forest Description and Analysis** (FO 2213, ST 2113)
- FO 4231 Introduction to Wood Supply Systems** (co-req FO 3015)
- WFA 3031 Introduction to Wildlife and Fisheries Practices** (JR)

Junior Year

Fall Semester		Spring Semester	
AELC 3203	Prof. Writing for Ag, NR & Human Sci. (JR) (EN 1103, EN 1113)	BIO 3524	Biology of Vertebrates
EPP 3124	Forest Pest Management	FO 4113	Forest Resource Economics (AEC 2713)
FO 4123	Forest Ecology (FO 3012)	FO 4213	Forest Biometrics (ST 2113 or equivalent)
FO 4233	For. Op. and Harv. (FO 3015, FO 4231)	FO 4223/4221	Practice of Silviculture + Lab (FO 4123)
Professional Elective (3)*			

Senior Year

Fall Semester		Spring Semester	
WFA 4433	Mammalogy (BIO 1134 BIO 1144, and WFA 3133)	WFA 4443	Ornithology (BIO 1134, BIO 1144, and WFA 3133)
FO 4313	Spatial Tech. in Nat. Res. (FO 3015)	FO 4353	Natural Resource Law (JR)
FO 4323	For. Res. Mgt. (FO 4113, FO 4213, FO 4223, FO 4233)	FO 4413	Natural Res. Policy (SR)
WFA 4153	Prin. Wildlife Cons. and Mgt. (SO)(WFA 3133 or FO 4123)	FO 4423	Prof. Practice (FO 4323)
		WFA 4243	Wildlife Techniques (JR)
Humanities Elective (3)			

*Major courses are bolded. Grades of C or better are required in these courses.

*See note on approved elective list regarding professional elective.

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2018-2019 Approved Elective List Forestry - Wildlife Management Concentration

Professional Elective (3 hours)

Students seeking certification through The Wildlife Society (TWS) must take one of the courses in bold below to meet certification requirements and graduation requirements

BIO 3103	Genetics (MA 1313, BIO 1134 or BIO 2113)
BIO 3304	General Microbiology (CH 1053)
BIO 3504	Comparative Anatomy (BIO 1134, BIO 1144)
BIO 4413	Immunology (BIO 3304, CH 4513)
BIO 4514	Animal Physiology (10 hours BIO/Org Chem)
EPP 4154	General Entomology
PO 4844	Avian Anatomy and Physiology
WFA 4173	Fish Physiology (BIO 1134 and BIO 1144)
WFA 4263	Wildlife Diseases (BIO 1134 and BIO 1144)
WFA 4323	Wildlife Nut. & Phys. (BIO 1134 and BIO 1144)
WFA 4453	Ichthyology (BIO 1134, BIO 1144, & WFA 3133)

Fine Arts (3 hours)

ARC 1013	Architectural Appreciation
ART 1013	Art History I
ART 1023	Art History II
CO 1503	Intro. to Theater
LA 1803	Landscape Architecture Appr.
MU 1103/	African American Music
AAS 1103	
PE 1323	History and Appr. of Dance
PSS 2343	Floral Design
TKI 2413	Hist. and Appr. of the Artcrafts

Physical Science Elective (3 hours)

CH 1053	Survey of Chemistry II (CH 1043)
GR 1114	Physical Geography
PH 1113	General Physics I (MA 1323 or ACT math sub-score 26)

Professional Elective (3 hours)

Students not seeking WF certification may choose from the list below to satisfy the Professional Elective. Students must file a Certification Waiver Form.

ABE 2873	Land Surveying (MA 1323)
BIO 4213	Plant Ecology
FO	ANY UPPER LEVEL FO COURSE 3000 or higher
FO 4453	Remote Sensing App
GR 2313	Maps Remote
MGT 3513	Intro. Human Res. Mgt
NREC	ANY UPPER LEVEL NREC COURSE 3000 or higher
ST 4213	Nonparametric Methods (ST 2113)
WFA 3000	Internship (JR and 2.75+ GPA)
WFA 4133	Fisheries Science (ST 3123 or equiv.)
WFA 4233	Limnology (WFA 3133)
WFA 4313	Fisheries Mgt. (WFA 3133)
WFA 4353	Fish & Wildlife Policy and Law Enf. (SR)
WFA 4463	Human Dimen. of Fish and Wildlife Mgt. (JR)

Humanities (6 hours)

ARC 2313/3313	History of Architecture
EN 2203	Intro. to Literature (EN 1103, EN1113)
EN 2213/2223	English Literature (EN 1103, EN1113)
EN 2243/2253	American Literature I (EN 1103, EN1113)
EN 2273/2283	World Literature I (EN 1103, EN1113)
FL 1113/1123	Elem. Foreign Language ¹
HI 1063/1073	Early or Modern US History
HI 1163/1173	World History I or II
HI 1213/1223	Early or Modern Western World
HI 1313/1323	East Asian Civilizations I or II
PHI 1103	Intro. to Philosophy
PHI 1123	Intro. to Ethics
REL 1103	Intro. to Religion
REL 3213	World Religions I
REL 3223	World Religions II

¹ French, German, Greek, Japanese, Latin, Russian and Spanish

Approved Substitutions List for Wildlife Management Concentration	
Required Courses	Approved Substitutions
AEC 2713 Int to Food & Res Eco	EC 2113 Macroeconomics (SO) or EC 2123 Microeconomics (SO)(EC 2113)
AELC 3203 Prof. Writing Ag, NR & Human Sci.	EN 3313 Writ. for the Workplace (EN 1113) or MGT 3213 Organ. Comm. (JR)(EN 1113)
BIO 3524 Biology of Vertebrates	ADS 4114 An. Nut, BIO 3103 Genetics, BIO 3304 Gen Microbio, BIO 3504 Comp Anat, BIO 4404 Env Microbio, BIO 4413 Immun, BIO 4514 An Phys, EPP 4154 Gen Entom, EPP 4244 Aq Entom, PO 4843 Avian Phys, WFA 4173 Fish Phys, WFA 4263 WF Diseases, WFA 4323 WF Nut & Phy or WFA 4423 Herpetology
FO 3213 Tree Physiology	BIO 4214 General Plant Physiology (BIO 2113, CH1213) or WFA 4223 Wildlife Plant ID (BIO 1134, BIO 1144, WPA 3133) or BIO 4203 Tax of Spermatophytes (BIO 2113, BIO 2213)
ST 2113 Intro to Statistics	MA 2113 Intro to Statistics, MA 3123, or ST 3123 Statistics Inference (All require C in MA 1313 or ACT math sub-score 24)
CH 1043 Survey of Chemistry I	Any higher level chemistry course.