

## SECTION III: DEPARTMENT OF FORESTRY

### 2017-2018 Forestry Major Wildlife Management Concentration (FO/WFMG) Total Hours = 126

#### Freshman Year

##### Fall Semester

BIO 1134	Biology I
CH 1043	Survey of Chemistry I
EN 1103	English Comp. I (ACT English subscore 17)
<b>FO 1101</b>	<b>Forest Resources Survey</b>
MA 1313	College Algebra (ACT math subscore 19)

##### Spring Semester

AEC 2713	Intro to Food and Res. Economics
BIO 1144	Biology II
EN 1113	English Comp. II (EN 1103)
Physical Science Elective (3)	
CO 1003	Fund. of Public Speaking

#### Sophomore Year

##### Fall Semester

<b>FO 2113</b>	<b>Dendrology (BIO 1144 or 2113)</b>
PSS 3303	Soils (CH 1043)
ST 2113	Intro. to Statistics (C in MA 1313 or ACT math subscore 24)
WFA 3133	Appl. Aqua. & Terr. Ecol. (BIO 1134, BIO 1144)

##### Spring Semester

BIO 4203	Tax. of Spermatophytes (BIO 2113, BIO 2213)
<b>FO 3103</b>	<b>Computer Appl. For. Resources and Lab</b>
<b>FO 2213</b>	<b>Forest Measurements (ST 2113)</b>
Fine Arts Elective (3)	
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

AELC 3203	Prof. Writing for Ag, NR & Human Sci. (Jr., EN 1103, EN 1113)
EPP 3124	Forest Pest Management
<b>FO 4123</b>	<b>Forest Ecology (FO 3012)</b>
<b>FO 4233</b>	<b>For. Op. and Harv. (FO 3015, FO 4231)</b>
Professional Elective (3)*	

##### Spring Semester

BIO 3524	Biology of Vertebrates
<b>FO 4113</b>	<b>Forest Resource Economics (AEC 2713)</b>
<b>FO 4213</b>	<b>Forest Biometrics (ST 2113 or equivalent)</b>
<b>FO 4223/4221</b>	<b>Practice of Silviculture + Lab (FO 4123)</b>

#### Senior Year

##### Fall Semester

WFA 4433	Mammalogy (BIO 1134 BIO 1144, and WFA 3133)
<b>FO 4313</b>	<b>Spatial Tech. in Nat. Res. (FO 3015)</b>
<b>FO 4323</b>	<b>For. Res. Mgt. (FO 4113, FO 4213, FO 4223, FO 4233)</b>
<b>WFA 4153</b>	<b>Prin. Wildlife Cons. and Mgt. (So., WFA 3133 or FO 4123)</b>
Humanities Elective (3)	

##### Spring Semester

WFA 4443	Ornithology (BIO 1134, BIO 1144, and WFA 3133)
FO 4353	Natural Resource Law (Jr.)
<b>FO 4413</b>	<b>Natural Res. Policy (Sr.)</b>
<b>FO 4423</b>	<b>Prof. Practice (FO 4323)</b>
WFA 4243	Wildlife Techniques (Jr.)

\*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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## 2017-2018 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<sup>1</sup>
- 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

<sup>1</sup> 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
BIO 4203 Tax of Spermatophytes	BIO 4214 General Plant Physiology (BIO 2113, CH1213) or WFA 4223 Wildlife Plant ID (BIO 1134, BIO 1144, WPA 3133) or FO 3213 Tree Physiology (BIO 1134, BIO 1144)
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.