

SECTION IV: DEPARTMENT OF WILDLIFE, FISHERIES AND AQUACULTURE

2018-2019 Wildlife, Fisheries and Aquaculture Major

Conservation Biology Concentration (CONB)

Total Hours = 124 (effective Spring 2019)

Freshman Year

Fall Semester

BIO 1134 Biological Sciences I
 CH 1213 Chemistry I (C in MA 1313 or ACT math subscore 24) with lab (CH1211)
 EN 1103 English Comp. I (ACT subscore 17)
WFA 1102 Wildlife and Fisheries Profession (FR, SO, or instructor consent) (FL)
 Humanities Elective (3)

Spring Semester

BIO 1144 Biological Sciences II
 CH 1223 Chemistry II (CH 1213) with lab (CH1221)
 EN 1113 English Composition II (EN 1103)
 MA 1613 Calculus for Business and Life Sciences
 Oral Communication Elective (3)

Sophomore Year

Fall Semester

WFA 3133 App. Aqu. & Terr. Eco. (BIO 1134 & 1144)
 Computer Application Elective (3)
 Statistics Elective (3)
 Plant Elective (3)
 WFA Social Science Elective (3)

Spring Semester

WFA 4243 Wildlife & Fisheries Techniques
 BIO 3103 Genetics (MA 1313, BIO 1134)
 CH 2503 Elementary Organic Chemistry (CH1213)
 Humanities Elective (3)
 Fine Arts Elective (3)

Summer Semester

*Students are encouraged to obtain Wildlife, Fisheries or Conservation Biology experience during the summer. Internship credit for professional experience may apply toward professional elective hours.

Junior Year

Fall Semester

WFA 4123 Wildlife & Fish Biometrics (Stats, C or better in MA 1613)
WFA 4223 Wildlife Plant ID (BIO 1134 & BIO 1144 & WFA 3133) (FL, Maymester)
 WFA 4623 Conservation Biology
 Natural Resources Policy Elective (3)
 Aquatics Elective (3-4)

Spring Semester

WFA 4153 Principals Wildlife Cons. & Mgt. (WFA 3133)
 WFA 4633 Problem Solving in Conservation Biology
 BIO 4113 Evolution (MA 1313, BIO 1134, BIO 1144, BIO 3103)
 Social Science Elective (3)
 Writing Elective (3)

Summer Semester

*Students are encouraged to obtain Wildlife, Fisheries or Conservation Biology experience during the summer. Internship credit for professional experience may apply toward professional elective hours.

Senior Year

Fall Semester

WFA 4353 Fish and Wild. Policy & Law (SR)(FL)
 WFA 4881 Topics in Conservation Biology
 Wildlife Biology Elective (3)
 Professional Elective (3)
 Professional Elective (3)

Spring Semester

WFA 4253 Applications of GIS in Wildlife Sciences (SR)
WFA 4473 WL & Fish Practices (SR, WFA 3133, WFA 4153)
 Wildlife Biology Elective (3)
 Professional Elective (3)
 Professional Elective (3)

Classes in **BOLD** require a C or better. FL= offered only in fall semester; SP= offered only in spring semester. SR=Senior standing

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2018-2019 Approved Elective List

Wildlife, Fisheries and Aquaculture- Conservation Biology (WFA/CONB)

Fine Arts Electives (MSU Core)

ARC 1013	Architectural Appreciation
ART 1013	History of Art I
ART 1023	History of Art II
ART 1113	Art Appreciation
CO 1503	Intro to the Theatre
HON 3173	Honors Seminar in Fine Arts (SOPH standing)
ID 3643	History of Interiors I
LA 1803	Landscape Architecture Appreciation
MU 1103	African American Music
MU 1113	His & Appr of Music
MU 1123	American Music App
MU 1133	History of Rock and Roll
PE 1323	His & Appr of Dance
PSS 2343	Floral Design
TKI 2413	His & Appr of the Artcrafts

Statistics Electives (MSU Core)

ST 2113	Intro to Stats (ACT Math subscore 24 or C in MA 1313)
ST 3123	Intro to Stat. Inf. (ACT Math subscore 24 or C in MA 1313)

Oral Communication Electives

AELC 3333	Presentations in Ag & Life Sci
CO 1003	Fund of Public Speaking
CO 1013	Intro to Communication

Writing Electives

AELC 3203	Prof Writing ANR Hum Sci (JR) (EN 1103, EN 1113)
CO 3343	Writing for the Media (C in EN 1113)
EDF 3413	Writing for Thinking (JR)(EN 1103, EN 1113)
EN 3313	Writing for the Workplace (EN 1113)
MGT 3213	Organizational Communication (EN 1113)

Plant Electives

BIO 2113	Plant Biology (BIO 1134)
BIO 2213	Survey of Plant Kingdom
BIO 4203	Taxonomy of Spermatophytes (BIO 2113, BIO 2213)
BIO 4213	Plant Ecology
FO 2113	Dendrology (BIO 1144 or BIO 2113)
PSS 3133	Intro Weed Science (BIO 2113; CH 1213 or CH 1053)

Humanities Electives (MSU Core)

AAS 1063	Intro to African American Studies
ARC 2313	History of Architecture I
ARC 3313	History of Architecture II (ARC 2313)
EN 2203	Intro to Lit (EN 1103, EN 1113)
EN 2213	English Lit Before 1800 (EN 1103, EN 1113)
EN 2223	English Lit After 1800 (EN 1103, EN 1113)
EN 2243	American Lit Before 1865 (EN 1103, EN 1113)
EN2253	American Lit After 1865 (EN 1103, EN 1113)
EN 2273	World Lit Before 1600 (EN 1103, EN 1113)
EN 2283	World Lit After 1600(EN 1103, EN 1113)
FL_ 1113-2143	Foreign Language
HI 1063	Early US History
HI 1073	Modern US History
HI 1163	World History Before 1500
HI 1173	World History After 1500
HI 1213	Early Western World
HI 1223	Modern Western World
HI 1313	East Asian Civ to 1300
HI 1323	East Asian Civ II
HI 4683	Europe: WWI to Hitler (one HI course)
HON 1163	The Quest Begins
HON 3183	Hon Sem in the Hum (SO) (EN 1103, EN 1113)
PHI 1103	Intro to Philosophy
PHI 1113	Intro to Logic
PHI 3023	History of Western Philosophy I
PHI 3033	History of Western Philosophy II
PHI 3153	Aesthetics
REL 1103	Intro to Religion
REL 3213	World Religions I
REL 3223	World Religions II

Natural Resource Policy Electives

FO 4343	Forest Admin & Org (JR)
FO 4353	Natural Resource Law (JR)
FO 4413	Natural Resource Policy (SR)
PS 4743	Environmental Policy (PS 1113, PS 2703)
WFA 4363	W&F Admin and Comm (JR)
WFA 4463	Human Dim of F&W Mgt (JR)

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Aquatics Electives

CVM 4134	Aquatic Animal Health (any microbiology, any physiology)
GG 3613	Water Resources (GG 1113)
GG 4523	Coastal Environments (GG 4523)
WFA 4133	Fisheries Science (ST 3123)
WFA 4173	Fish Physiology (BIO 1134, BIO 1144)
WFA 4183	Prin & Prac of Aquaculture (BIO 1134, BIO 1144)
WFA 4233	Limnology (WFA 3133)
WFA 4313	Fisheries Mgt (WFA 3133)
WFA 4383	Wetlands Ecology (JR)(WFA 3133)

Social Science Electives (MSU Core)

ADS 1013	Animal Agriculture & Society: Food for Thought
AEC 2713	Introduction to Food and Resource Economics
AN 1103	Introduction to Anthropology
AN 1143	Introduction to Cultural Anthropology
AN 1543	Introduction to Archaeology
AN 2403	Introduction to the Study of Language
CO 1223	Introduction to Communication Theory
CO 1403	Introduction to the Mass Media
EC 1033	Economics of Social Issues
EC 2113	Prin of Macroeconomics (SO)
EC 2123	Prin of Microeconomics (SO)
EN 2403	Introduction to the Study of Language
EPY 2513	Human Growth and Development
EPY 3503	Principles of Educational Psychology
EPY 3543	Psychology of Adolescence
FO 4113	Forest Resource Economics (AEC 2713)
GR 1123	Introduction to World Geography
GR 2013	Cultural Geography
HDFS 1813	Development through the Lifespan
HON 1173	The West and the Wider World
HON 3143	Hon Seminar in Soc Sci (SO)(EN 1103, EN 1113)
PO 1013	Animal Agriculture & Society: Food for Thought
PS 1113	American Government
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

CONB Professional Electives

AN/SO 4173	Environment and Society
BIO 2503	Environmental Quality
BIO 3113	Marine Biology
BIO 4143	Population Genetics (BIO 2113)
BIO 4233	Living with Global Change
BIO 4603	Ethnobotany
GG 4523	Coastal Environments (GG 1113 or consent)
NREC 3213	Environmental Measurements
NREC 4423	Environmental Assessments
PSS 4743	Environmental Policy (PS 1013)
WFA 4263	Wildlife Diseases
WFA 4116	Animal Behavior
WFA 4373	Conservation in Ag landscapes
WFA 4383	Wetlands Ecology
WFA 4483	Seminar in Tropical Ecology
WFA 4484	Upland Avian Ecology and Management
WFA 4463	Human Dimensions WF Management
WFA 4273	Management Human-Wildlife Interactions
WFA 4613	Landscape Ecology

Wildlife Biology Electives

WFA 4423	Herpetology (WFA 3133)
WFA 4433	Mammalogy (WFA 3133)
WFA 4443	Ornithology (WFA 3133)

WFA Social Science (Economics) Electives

AEC 2713	Intro to Food & Resource Econ
EC 2113	Prin of Macroeconomics (SO)
EC 2123	Prin of Microeconomics (SO)
EC 4043	Survey of Economics (SR)
GR 2013	Cultural Geography
PS 1113	American Government
PS 1313	Intro to International Relations
SO 1003	Intro to Sociology

Computer Application Electives

AEC 1223	Computer Applications for Ag & Life Sciences
FO 3103	Computer Applications in Forest Resources
GR 2313	Maps & Remote Sensing
GR 3303	Survey of Geospatial Tech (GR 2313)
TKT 1273	Computer Applications
TKB 2123	Intro to Database Mgt (TKT 1273 or BIS 1012)