

## SECTION III: DEPARTMENT OF FORESTRY

### 2018-2019 Natural Resource and Environmental Conservation Major Natural Resource Technology Concentration (NREC/NRT)

Total Hours = 124

#### Freshman Year

##### Fall Semester

BIO 1134	Biological Sciences I
CH 1043	Survey of Chemistry I
EN 1103	English Composition 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 Food Res Econ
BIO 1144	Biology II
GR 1114	Physical Geography
EN 1113	English Composition II (EN 1103)
MA 1323	Trigonometry (C in MA 1313 or ACT math subscore of 24)

#### Sophomore Year

##### Fall Semester

<b>FO 2113</b>	<b>Dendrology</b> (BIO 1144 or BIO 2113)
<b>NREC 3113</b>	<b>Forest Recreation Management</b>
LA 1803	Landscape Arch Apprec
PSS 3303	Soils (CH 1043)
PSS 3301	Soils Lab
ST 2113	Intro to Statistics (C in MA 1313 or ACT math subscore of 24)

##### Spring Semester

CO 1003	Fund of Public Speaking
<b>FO 3103</b>	<b>Computer Appl For Resources</b>
FO 2213	Forest Measurements (ST 2113)
GR 2313	Maps and Remote Sensing
PHI 1123	Intro to Ethics

#### Junior Year

##### Fall Semester

AELC 3203	Prof Writing Ag, NR & Human Sci. (JR)(EN 1103, EN 1113)
<b>NREC 4313</b>	<b>Spatial Tech Nat Res Mgmt</b> (GR 2313)
<b>WFA 3133</b>	<b>Appl. Aquatic Terrestrial Ecol</b> (BIO 1134, BIO 1144)
	Humanities Elective (3)
	Professional Elective (4)

##### Spring Semester

<b>FO 4213</b>	<b>Forest Biometrics</b> (ST 2113)
FO 4453	Remote Sensing Appl
<b>NREC 3213</b>	<b>Environmental Measurements</b> (ST 2113)
	Professional Elective (3)
SO 1003	Introduction to Sociology

#### Senior Year

##### Fall Semester

<b>FO 4343</b>	<b>Forest Admin and Organization</b>
	Free Elective (3)
	Professional Elective (3)
	Professional Elective (3)
	Professional Elective (4)

##### Spring Semester

<b>NREC 4353</b>	<b>Natural Resource Law</b> (JR)
<b>NREC 4413</b>	<b>Natural Resource Policy</b> (SR)
<b>NREC 4423</b>	<b>Environmental Assessments</b> (SR)
FO 4472	GIS Nat Res Mgmt
FO 4471	GIS Nat Res Mgmt Lab
	Professional Elective (3)

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

## SECTION III: DEPARTMENT OF FORESTRY

### 2018-2019 Approved Elective List

#### Natural Resources Environmental Conservation, Concentration: Natural Resource Technology

##### Professional Electives (20 hours)

ABE 2873	Land Surveying (MA 1323)
ABE 3513	GPS/GIS – AG & ENG (MA 1313 and 1323)
ABE 4263	Soil and Water Mgt (ABE 2873)
BIO 2503	Environmental Qual (any BIO course)
BIO 3104	Ecology (BIO 1134)
BIO 4203	Tax of Spermatophyte (BIO 2113 and BIO 2213)
BIO 4213	Plant Ecology
BIO 4233	Living w Global Change
BIO 4603	Ethnobotany (BIO 1134, BIO 1144)
CE 2213	Surveying (C or better in MA 1323)
CE 2803	Environ Engr Issues (C or better in CH 1223)
ENS 2103	Intro Environ Sci
EPP 3124	Forest Pest Mgt
FO	ANY UPPER LEVEL FO COURSE
GG 1111	Earth Science Lab
GG 1113	Survey Earth Sci I
GG 1121	Earth Science II Lab
GG 1123	Survey Earth Sci II (GG 1113)
GG 3613	Water Resources (GG 1113)
GR 2313	Maps Remote
GR 3113	Conserv of Nat Res
GR 3303	Survey Geospatial Tech (GR 2313)

##### Professional Electives (continued)

GR 4303	Principles of GIS (JR)
GR 4313	Advanced GIS (GR 4303 or consent)
GR 4323	Cartographic Sciences (JR)
GR 4343	Adv Remote Sensing/Geosci (GR 4433 or ECE 4423 or FO 4453 or consent)
GR 4353	Geodatabase Design (GR 4303 or consent)
GR 4363	GIS Programming (GR 4303 or consent)
PHI 3313	Environmental Ethics
PSS 4483	Intro to Remote Sensing (SR)
REF 3333	Principles of Real Estate (JR)
ST 4213	Nonparametric Meth (introductory statistics)
WFA	ANY UPPER LEVEL WFA COURSE

##### Humanities Electives (3 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
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 Resource Conservation Science Concentration	
Required Courses	Approved Substitutions
AEC 2713 Int to Food & Res Eco	EC 2123 Microeconomics (SO)(EC 2113), EC 2113 (SO)
AELC 3203 Prof. Writing Ag, NR & Human Sci.	MGT 3213 Organ. Comm. (JR)(EN 1113) or BIO 3013 Prof. Writing for Biologists
CO 1003 Fund of Public Speaking	CO 1013 Intro to Communication
ST 2113 Introduction to Statistics	MA 2113 Intro to Stats or MA 3123 or ST 3123 Intro to Stats Inference (All require C in MA 1313 or ACT math subscore 24)