

## SECTION III: DEPARTMENT OF FORESTRY

<b>2020–2021 NATURAL RESOURCE AND ENVIRONMENTAL CONSERVATION MAJOR</b> <b>Natural Resource Technology Concentration</b> (Sample Schedule) Total Hours = 124			
FRESHMAN YEAR			
Fall Semester		Spring Semester	
BIO 1134	Biology I	AEC 2713	Intro Food Res Econ
CH 1043	Survey of Chemistry I	BIO 1144	Biology II
EN 1103	English Composition I (ACT English subscore 17)	GR 1114	Physical Geography
<b>FO 1101</b>	<b>Forest Resources Survey</b>	EN 1113	English Composition II (EN 1103)
MA 1313	College Algebra (ACT math subscore 19)	MA 1323	Trigonometry (C in MA 1313 or ACT math subscore of 24)
SOPHOMORE YEAR			
Fall Semester		Spring Semester	
<b>FO 2113</b>	<b>Dendrology (BIO 1144 or BIO 2113)</b>	CO 1003	Fund of Public Speaking
<b>NREC 3113</b>	<b>Forest Recreation Management</b>	<b>FO 3103</b>	<b>Computer Appl For Resources</b>
LA 1803	Landscape Arch Apprec	FO 2213	Forest Measurements (ST 2113)
PSS 3303	Soils (CH 1043)	GR 2313	Maps and Remote Sensing
PSS 3301	Soils Lab	PHI 1123	Intro to Ethics
ST 2113	Intro to Statistics (C in MA 1313 or ACT math subscore of 24)		
JUNIOR YEAR			
Fall Semester		Spring Semester	
AELC 3203	Prof Writing Ag, NR & Human Sci. (JR)(EN 1103, EN 1113)	<b>FO 4213</b>	<b>Forest Biometrics (ST 2113)</b>
<b>NREC 4313</b>	<b>Spatial Tech Nat Res Mgmt (GR 2313)</b>	FO 4453	Remote Sensing Appl
<b>WFA 3133</b>	<b>Appl. Aquatic Terrestrial Ecol (BIO 1134, BIO 1144)</b>	<b>NREC 3213</b>	<b>Environmental Measurements (ST 2113)</b>
	Humanities Elective (3)		Professional Elective (3)
	Professional Elective (4)	SO 1003	Introduction to Sociology
SENIOR YEAR			
Fall Semester		Spring Semester	
<b>FO 4343</b>	<b>Forest Admin and Organization</b>	<b>NREC 4353</b>	<b>Natural Resource Law (JR)</b>
	Free Elective (3)	<b>NREC 4413</b>	<b>Natural Resource Policy (SR)</b>
	Professional Elective (3)	<b>NREC 4423</b>	<b>Environmental Assessments (SR)</b>
	Professional Elective (3)	FO 4473	GIS Nat Res Mgmt
	Professional Elective (4)		Professional Elective (3)

\*NREC major required courses requiring a C or better or bolded.

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### 2020–2021 APPROVED ELECTIVE LIST Natural Resource Technology Concentration

PROFESSIONAL ELECTIVES (20 HOURS)		PROFESSIONAL ELECTIVES (CONTINUED)	
<b>Courses for a GIS minor may be used as emphasis electives.</b>		GR 4303	Principles of GIS (JR)
ABE 2873	Land Surveying (MA 1323)	GR 4313	Advanced GIS (GR 4303 or consent)
ABE 3513	GPS/GIS – AG & ENG (MA 1313 and 1323)	GR 4323	Cartographic Sciences (JR)
ABE 4263	Soil and Water Mgt (ABE 2873)	GR 4343	Adv Remote Sensing/Geosci (GR 4433 or ECE 4423 or FO 4453 or consent)
BIO 2503	Environmental Qual (any BIO course)	GR 4353	Geodatabase Design (GR 4303 or consent)
BIO 3104	Ecology (BIO 1134)	GR 4363	GIS Programming (GR 4303 or consent)
BIO 4203	Tax of Spermatophytes (BIO 2113 and BIO 2213)	NREC	ANY NREC COURSE 3000 or higher
BIO 4213	Plant Ecology	PHI 3313	Environmental Ethics
BIO 4233	Living w Global Change	PSS 4483	Intro to Remote Sensing (SR)
BIO 4603	Ethnobotany (BIO 1134, BIO 1144)	REF 3333	Principles of Real Estate (JR)
CE 2213	Surveying (C or better in MA 1323)	SBP	ANY SBP COURSE 3000 or higher
CE 2803	Environ Engr Issues (C or better in CH 1223)	ST 4213	Nonparametric Meth (introductory statistics)
CFR 1101	Ambassador Lead Dev. (up to 3hrs)	WFA	ANY WFA COURSE 3000 or higher
ENS 2103	Intro Environ Sci	<b>HUMANITIES ELECTIVES (3 HOURS):</b>	
EPP 3124	Forest Pest Mgt	ARC 2313/3313	History of Architecture
FO	ANY FO COURSE 3000 or higher*	EN 2203	Intro. to Literature (EN 1103, EN 1113)
GG 1111	Earth Science Lab	EN2213/2223	English Literature (EN 1103, EN 1113)
GG 1113	Survey Earth Sci I	EN2243/2253	American Literature I (EN 1103, EN 1113)
GG 1121	Earth Science II Lab	EN2273/2283	World Literature I (EN 1103, EN 1113)
GG 1123	Survey Earth Sci II (GG 1113)	FL 1113/1123	Elem. Foreign Language <sup>1</sup>
GG 3613	Water Resources (GG 1113)	HI 1063/1073	Early or Modern US History
GR 2313	Maps Remote	HI 1163/1173	World History I or II
GR 3113	Conserv of Nat Res	HI 1213/1223	Early or Modern Western World
GR 3303	Survey Geospatial Tech (GR 2313) (GIS minor courses)	HI 1313/1323	East Asian Civilizations I or II
*CFR courses not otherwise specified in our curricula may be applied through the substitution process.		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 NATURAL RESOURCE TECHNOLOGY CONCENTRATION

Required Courses	Approved Substitutions
AEC 2713 Int to Food & Res Eco	EC 2123 Microeconomics (SO)(EC 2113), EC 2113 (SO) Macroeconomics
AELC 3203 Prof. Writing Ag, NR & Human Sci.	MGT 3213 Organ. Comm. (JR)(EN 1113), BIO 3013 Prof. Writing for Biologists, EDF 3413 Writing for Thinking (EN 1103, EN 1113)(JR), EN 3313 Writing for the Workplace (EN 1113) (JR)
CH 1043 Survey of Chemistry I	Any higher level chemistry course
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)