

## SECTION III: DEPARTMENT OF FORESTRY

NRT		2023–2024 NATURAL RESOURCE AND ENVIRONMENTAL CONSERVATION MAJOR			
		Natural Resource Technology Concentration (Sample Schedule)			
		Total Hours = 124		effective Fall 2023	
FRESHMAN YEAR					
Fall Semester			Spring Semester		
BIO 1134	Biology I		BIO 1144	Biology II	
CH 1043	Survey of Chemistry I		<b>FO 3103</b>	<b>Computer Appl For Resources</b>	
EN 1103	English Composition I (ACT English subscore 17)		EN 1113	English Composition II (EN 1103)	
<b>NREC 1102</b>	<b>Survey of Natural Resource Management</b>		GR 1114	Physical Geography	
	Free Elective (3)		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>			Communication Elective (3)	
PSS 3303	Soils (CH 1043)		FO 2213	Forest Measurements (ST 2113)	
PSS 3301	Soils Lab		GR 2313	Maps and Remote Sensing	
SO 1003	Introduction to Sociology		<b>NREC 3213</b>	<b>Environmental Measurements (ST 2113)</b>	
ST 2113	Intro to Stats (C in MA 1313 or MA 1213 or ACT math subscore 24)			Professional Elective (3)	
	Free Elective (2)				
JUNIOR YEAR					
Fall Semester			Spring Semester		
<b>NREC 3113</b>	<b>Forest Recreation Mgt.</b>		<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 Applications (JR) (SP-Even)	
PH 1123	Intro to Ethics		LA 1803	Landscape Architecture Appreciation	
	Technical Writing Elective (3)		<b>NREC 4353</b>	<b>Natural Resource Law (JR)</b>	
	Professional Elective (3)			Professional Elective (3)	
SENIOR YEAR					
Fall Semester			Spring Semester		
AEC 2713	Intro to Food and Res Economics		<b>NREC 4413</b>	<b>Natural Resource Policy (SR)</b>	
<b>FO 4343</b>	<b>Forest Admin. and Organization (JR) (FA-Even)</b>		<b>NREC 4423</b>	<b>Environmental Assessments (SR)</b>	
	Ecology Elective (3)		FO 4473	GIS Nat. Res. Mgt. and Lab (JR) (SP-Odd)	
	Professional Elective (3)			Humanities Elective (3)	
	Professional Elective (3)			Professional Elective (3)	
	Professional Elective (3)				
<b>NREC major required courses requiring a C or better or bolded.</b>					

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### 2023–2024 APPROVED ELECTIVE LIST Natural Resource Technology Concentration

HUMANITIES ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)		PROFESSIONAL ELECTIVES (21 HOURS)	
AAS 1063	Introduction to African American Studies	ABE 2873	Land Surveying (MA 1323)
AAS 2363	Introduction to African American Literature	ABE 3513	GPS/GIS – AG & ENG (MA 1313 and 1323)
AAS 3013/3023	African American History	ABE 4263	Soil and Water Mgt (ABE 2873)
ARC 2313/3313	History of Architecture I or II	BIO 2503	Environmental Qual (any BIO course)
EN 2203	Intro. to Literature (EN 1103, EN 1113)	BIO 4233	Living with Global Change
EN 2213/2223	English Literature I or II (EN 1103, EN 1113)	CE 2803	Environ Engr Issues (C or better in CH 1223)
EN 2243/2253	American Literature I or II (EN 1103, EN 1113)	CFR 1101	Ambassador Lead Dev. (up to 3hrs)
EN 2273/2283	World Literature I or II (EN 1103, EN 1113)	ENS 2103	Intro Environ Sci
FL 1113/1123	Language I or II	GG 1111	Earth Science Lab
HI 1003	History of Science in Six Ideas	GG 1113	Survey Earth Sci I
HI 1013	History of Technology in Six Objects	GG 1121	Earth Science II Lab
HI 1063/1073	Early or Modern US History	GG 1123	Survey Earth Sci II
HI 1163/1173	World History I or II	GG 3613	Water Resources
HI 1213/1223	Early or Modern Western World	GR 3113	Conservation of Nat Res
HI 1313/1323	East Asian Civilizations I or II	GR 3303	Survey Geospatial Tech (GR 2313)
HI 4683	Europe: The First World War to Hitler	GR 4303	Principles of GIS
PHI 1103	Intro. to Philosophy	GR 4313	Advanced GIS (GR 4303 or consent)
PHI 1113	Intro. to Logic	GR 4323	Cartographic Sciences (JR)
PHI 3023/3033	History of Western Philosophy I or II	GR 4343	Adv Remote Sensing/Geosci (GR 4333 or ECE 4423 or FO 4453 or consent)
PHI 3153	Aesthetics		
REL 1103	Intro. to Religion	GR 4353	Geodatabase Design (GR 4303)
REL 3213/3223	World Religions I or II	GR 4363	GIS Programming (GR 4303 or consent)
<b>TECHNICAL WRITING ELECTIVES (3 HOURS):</b>		NREC 4800	Undergraduate Research (up to 6 hrs)
AELC 3203	Prof Writing Ag, NR, Human Sci. (JR) (EN 1103 or EN 1113)	PHI 3313	Environmental Ethics
BIO 3013	Prof Writ for Biol (JR)	PSS 4483	Intro to Remote Sensing (SR)
EDF 3413	Writing for Thinking (EN 1103, EN 1113)	FO, NREC, SBP, WFA	Any course 3000 or higher
EN 3313	Writing for the Workplace (EN 1113)	Courses for a GIS minor may be used as professional electives.	
MGT 3213	Org Communications (JR) (EN 1113)	<b>ECOLOGY ELECTIVES (3 HOURS):</b>	
<b>COMMUNICATION ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)</b>		BIO 3104	Ecology (BIO 1134)
		FO 4123	Forest Ecology
		WFA 3133	Applied Ecology (BIO 1134, BIO 1144)
CO 1003	Fundamentals of Public Speaking		
CO 1013	Introduction to Communication		

#### APPROVED SUBSTITUTIONS LIST FOR NATURAL RESOURCE TECHNOLOGY CONCENTRATION

Required Courses	Approved Substitutions
AEC 2713 Intro to Food & Resource Economics	EC 2113 Macroeconomics; EC 2123 Microeconomics
CH 1043 Survey of Chemistry I	CH 1213 Chemistry I (ACT Math subscore 24 or MA 1313 grade of C or better)
EN 1103 En Composition I (ACT English subscore 17)	EN 1104 Expanded English Composition I (ACT English subscore 16 or below)
EN 1113 En Composition II (EN 1103)	EN 1173 Accelerated (ACT English subscore 28 or higher)
ST 2113 Intro to Stats (C in MA 1313 or MA 1213 or ACT math subscore 24)	ST 3123 Intro to Stat Inf (ACT Math subscore 24 or C in MA 1313)