

**RANGELAND ECOLOGY & WATERSHED MANAGEMENT; ADVISOR CHECKLIST**

**STUDENT NAME:** \_\_\_\_\_ **SEMESTER ADMITTED:** \_\_\_\_\_ **TRANSFER or NEW STUDENT**

EMPHASIS AREA	UNIV STUDIES	DEPT COURSE & offered	SUBJECT MATTER OFFERED	HRS	CR YR	SUG YR	Grade
(14- 15 Credits)		BIOL 2022 or 2023 or 2021	Plant, Animal or Micro Biology	4	Fresh		
		BIOL 3400	General Ecology	3	JR		
		REWM 4300 or BOT 4680	Taxonomy of Grasses or Vascular Plants	3/4	JR		
<b>Chemistry (4 credits)</b>	SP	CHEM 1000	Intro to Chemistry	4	Fresh		
	WA	Any Univ WA (Writing)	any	3	Fresh		
<b>Communication Skills (9 Credits)</b>	WB	Any Univ WB (Writing)	any	3	Fresh		
	O	CO/M 1010	Public Speaking	3	Soph		
	QA	Math 1000 or 1400	Problem Solving or Algebra	3	Fresh		
<b>Math &amp; Quantitative Reasoning (7 Credits)</b>	QB	STAT 2050	Fundamentals of Statistics	4	Soph		
	G	Any Univ G (Global)	ENR 2000 or BIOL2002 suggested	3	SR		
<b>Humanities &amp; Social Sciences</b>	CH	Any Univ CH Humanity	any	3	Fresh		
	CA	Any Univ CA Cultural	any	3	Soph		
	V	Any Univ V (Gov't)	any	3	Fresh		
	D	Any Univ Diversity	PHIL 2345 or AGRI 4546 suggested	3	Soph		
	L	Any Univ Literacy	ENR 1100 or ESS 1000 suggested	3	Soph		
	I	Any Univ Intel Comm.	ENR 1100 or ESS 1000 suggested	3	Fresh		
<b>Physical Education</b>	P	PEAC 1001	Physical Activity & Health	1	Fresh		
		REWM 2000	Principles of Rangeland Management	3	Fresh		
<b>Rangeland Management (26 Credits)</b>		REWM 2500	Rangeland Plant Identification	2	Soph		
		REWM 3020	Nutritional Mngt of Grazing Ungulates	3	JR		
		REWM 3500	Rangeland Plant Ecophysiology	3	JR		
		REWM 4330	Rangeland Ecosystem Assess & Monitoring	3	JR		
		REWM 4530	Seminar	1	SR		
		REWM 4700	Wildland Watershed Management	3	JR		
		REWM 4830	Ecological Applications for Wildland Mngt	2	SR		
		REWM 4850	Rangeland Vegetation Mngt Techniques	3	JR		
		REWM 4900	Rangeland Management Planning	3	SR		
		WC					
<b>Soils (8 Credits)</b>	SE	SOIL/AECL 2010	Intro to Soil Science	4	Soph		
		SOIL 4120	Genesis, Morphology & Class of Soils	4	JR		
		BOT 4111 & 4112	Remote Sensing of the Environment	4	JR		
<b>Spatial analysis (3-4 Credits)</b>		OR RNEW 4130/5130	Applied Remote Sensing Applications	3	JR		
		OR GEOG 4200	Geographic Information Sciences I	4	JR		
		GEO/ENR 4890/5890	Applying Geospatial Tech. Nat Res. Mgmt	3	JR		
		or GEOG 3150	Survey Rem. Sensing	3	JR		
<b>Ag. Economics (6 Credits)</b>	CS	AGEC 1020	Princ of Microeconomics	3	Soph		
		AGEC 4700	Economics of Range Resources	3	JR		

**120 hours are required for graduation. Most students will need about 30 additional credit hours after satisfying requirements on page 1.**

To increase job search marketability, students are advised to consider selecting many of their electives from the following list.

**Natural Resources Elective Courses** *Select from these courses to get expertise in 5 subject areas (5-7hrs each) for added competitiveness in federal agency jobs.*

<b>1. Agronomy</b>	AECL 2026	Fall	Agronomic & Horticultural Plant Biology	4 JR/SR
	AECL 3030	Fall	Ecol Wed: Plant Protection	3 JR/SR
<b>2. Forestry</b>	RNEW 2100	Spring	Forest Management	3 JR/SR
	RNEW 4775	Fall	Forest Ecology	4 JR/SR
	RNEW 4400/5400	Fall 09	Invasive Plant Ecology	3 Jr/SR
	PLNT 3300	Spring	Horticultural Plant Prop.	3 JR/SR
	PLNT 4020	Spring	Sustainable Agriculture	4 JR/SR
<b>4. Wildlife</b>	REWM 4750/5750	Spring	Wildlife Habitat Restoration Ecology	3 JR/SR
	ZOO 2450	Spring	Prin. Fish & Wildlife Management	3 JR/SR
	ZOO 4350	Spring	Ornithology	3 JR/SR
	ZOO 4370	Fall	Mammalogy	3 JR/SR
	ZOO 4400	Spring	Population ecology	3 JR/SR
	ENTO 1000	Spr&Fall	Insect Biology	3 JR/SR
	ENTO 4884	Fall 2010	Insect Behavior	3 JR/SR
<b>5. Entomology</b>	ENTO 4300	Fall 2010	Insect Ecology	3 JR/SR
	ENTO 5686; alt. years	Fall 08	Aquatic Entomology	3 JR/SR
	ENTO 4684; alt. years	Fall 09	Insect Classification	3 JR/SR
	AGED 4450	Fall	Negotiation	3 JR/SR
	AGED 4600	Spring 2010	Community Economic Analysis	3 JR/SR
	AGED 4640	Spring	Advanced Farm/Ranch Management	3 JR/SR
<b>6. Economics</b>	AGED 4720; alt. years	Fall 08	Water Resource Economics	3 JR/SR
	AGED 4750; alt. years	Fall 09	Natural Resource Planning Economics	3 JR/SR
	REWM 3100	Fall	Prin. Of Wildland Water Quality	3 JR/SR
	REWM 4000	Spring	Poisonous Plants & Plant Toxins	3 JR/SR
	REWM 4103	Spring	Range & Ranch Recreation	3 JR/SR
	REWM 4150	Spring	Behavior Mod.Prod of Herbivores	3 JR/SR
<b>Other suggested electives</b>	REWM 4200	Fall	Reclamation Drastically Disturbed Lands	3 JR/SR
	REWM 4285	Fall	Wildland Hydrology	3 JR/SR
	REWM 4650	Spring 09	Wildlife Habitat Evaluation Techniques	3 JR/SR
	REWM 4710	Spring	Watershed Water Quality Management	3 JR/SR
	RNEW 4510	Fall	Research Planning	3 JR/SR
	SOIL 4140	Spring	Soil Microbiology	4 JR/SR
	SOIL 4535	Fall 09	Soil Biogeochemistry	3 JR/SR
	SOIL 4150	Fall	Forest and Range Soils	3 JR/SR
	BOT 4700	Fall	Vegetation Ecology	4 JR/SR
	GEOG 4470	ask	Fire Ecology	3 JR/SR
	GEOG 4420	Spring	Tourism & Recreation	3 JR/SR

For descriptions of minors in Reclamation, Forestry, Environment and Natural Resources, Soils, Entomology or Agroecology see the department website:

<http://uwadmnweb.uwo.edu/UWRENEWABLE/>

# SPRING

SPRING	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 AM		REW 4900 Planning		REW 4900 Planning	
8:30 AM					
9:00 AM	SOIL 2010 Intro.Soils REW 4580 Restoration Ecol		SOIL 2010 Intro.Soils REW 4580 Restoration Ecol		SOIL 2010 Intro.Soils REW 4580 Restoration Ecol
9:30 AM					
10:00 AM	REW 4300 Grass tax. REW 4710 Water Quality REW 4150 Behavior herbiv		REW 4300 Grass tax. REW 4710 Water Quality REW 4150 Behavior herbiv		REW 4300 Grass Tax. REW 4710 Water Quality REW 4150 Behavior herbiv
10:30 AM					
11:00 AM	REW 2000 Principles REW 4700 Watershed Mgmt RNEW 4130 App. Remote Sens	REW 4850 Veg. Management REW 4052 Fed. Land Politics REW 4103 Ranch Rec.	REW 2000 Principles REW 4700 Watershed Mgmt	REW 4850 Veg. Management REW 4052 Fed. Land Politics REW 4103 Ranch Rec.	REW 2000 Principles REW 4700 Watershed Mgmt
11:30 AM					
12:00 AM			REW 4530 Seminar		
12:30 PM					
1:00 PM	REW 4830 Ecol Applications	RNEW 2100 Forestry	REW 4830 Ecol Applications	RNEW 2100 Forestry	
1:30 PM					
2:00 PM					
2:30 PM					
3:00 PM	RNEW 4130 App. Remote LAB	AGEC 4700 Ag Economics (2:45-4PM)		AGEC 4700 Ag Economics (2:45-4PM)	
3:30 PM					
4:00 PM					
4:30 PM					
5:00 PM					

# FALL

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 AM	BIOL 3400 Gen. Ecology		BIOL 3400 Gen. Ecology		BIOL 3400 Gen. Ecology
8:30 AM		REWM 2500 Plants			
9:00 AM	REWM 3500 Plant Ecophys REWM 5000 Range Resource RNEW 4775 Forest Ecol. (Tink)	SOIL 4120 Genesis & morph ENR 1100	REWM 3500 Plant Ecophys REWM 5000 Range Resource RNEW 4775 Forest Ecol. (Tinker)	SOIL 4120 Genesis & morph ENR 1100	REWM 3500 Plant Ecophys REWM 5000 Range Resource RNEW 4775 Forest Ecol. (Tink)
9:30 AM		REWM 4051 Environ. Politics REWM 3100 Water Quality		REWM 4051 Environ. Politics REWM 3100 Water Quality	
10:00 AM	REWM 4200 Reclamation		REWM 4200 Reclamation		REWM 4200 Reclamation
10:30 AM					
11:00 AM	REWM 2000 Principles BOT 4700 Vegetation Ecol	REWM 3020 Nutrition REWM 4285 Wildland hydrol ENR 4890 Appl Geosp Nat Res	REWM 2000 Principles BOT 4700 Vegetation Ecol	REWM 3020 Nutrition REWM 4285 Wildland hydrol ENR 4890 Appl Geosp Nat Res	REWM 2000 Principles BOT 4700 Vegetation Ecol
11:30 AM					
12:00 AM	REWM 4530 Seminar				
12:30 PM				RNEW 4510 Research planning	
1:00 PM	REWM 4330 Assess& Monitor	Soil 4120 lab 1-5 PM REWM 2500 lab 1-3 PM	SOIL 4120 lab 1-5 PM	REWM 3020 Lab 1-3 PM	REWM 4330 Assess & Monitor
1:30 PM					
2:00 PM					RNEW 4990 App spatial analy 2:10-5 PM
2:30 PM					
3:00 PM		REWM 2500 lab 3-5 PM		REWM 3020 Lab 3-5 PM	
3:30 PM					
4:00 PM					
4:30 PM					
5:00 PM				REWM 3020 Lab (7-9 PM)	