## Natural Resource Ecology & Management Degree Rangeland Ecology & Mgmt Option 4-year Flow Chart for 2023-24

Senior	Spring	NREM 4033 Ecology of Invasive Species (Spring only TR 12:30-1:45PM)	NREM 4613 Rangeland Resource Planning (Spring only MW 11:30- 12:45PM)	→ NREM 4603 Range & Pasture Utilization (MW 8:30- 9:20 & M 3:30-5:20)	NREM 4001 Global Change (Spring only M 1:30-2:20 OR W 1:30- 2:20 OR F 1:30-2:20)	Related Courses (5h)	15 h
	Fall	NREM 3503 Wildlife ◀ Mgt (Fall only MWF 12:30- 1:20)	→ NREM 4023 Restoration Ecology (Fall only MW 2:30-3:45PM)	NREM 4443 Watershed Hydrology and Water Quality (Fall MW 8:30-9:20 & lab M or W 2:30-4:20) OR NREM 4473	NREM 3063 Nat Res Biometrics (Fall Only TR 9-10:15)	Elective hours or Gen Ed A, H, N, or S elective (3h)	15 h
Junior	Spring	AGCM 3203 <sup>†</sup> or SPCH 2713 <sup>†</sup> or 3733 <sup>†</sup> (every semester multiple times)	Elective hours or Gen Ed A, H, N, or S elective (3h)	ANSI 3543 Principles of ◀ Animal Nutrition (MWF 10:30-11:20)	SOIL 3433 Soil Genesis (MW 11:30-12:20, & Lab W 1:30-3:20) OR SOIL 4563 (spring? Has not been taught since 2013)	AGCM 3103, BCOM 3113, or ENGL3323 Tech Writing (every semester multiple sections)	15 h
	Fall	NREM 3013 Applied  Ecology and Conservation (Fall only TR 10:30-11:45)	NREM 3012 Applied  → Ecology Lab (Fall only T, W, or R 1:30-5:20)	NREM 4783 Prescribed Fire (Fall only TR 7:30-8:45AM)	PBIO 4005 Field Botany (Fall ony TR 9:00-10:15 & mulitple lab times)	NREM 4043 Nat Res Admin & Policy (Fall only TR 12-1:15PM)	16 h
Sophomore	Spring	AGEC 1113 Intro to Agriculture Economics (Spr MWF 12:30-1:20 or TR 9-10:15, Fall TR 9:00- 10:15 or MW 2:30-3:45)	NREM 2083 (Spr MW 11:30-12:20 & M 1:30- 3:20; Fall TR 9-9:50 & R12:30-2:20)	CHEM 1225 <sup>†</sup> (Fall MWF 10:30-11:20, Spr MWF 8:30- 9:20, & lab) or 1515 <sup>†</sup> Chem II (every semester multiple times)	SOIL 2124 Fund. of Soil Science (Every semester MWF 9:30-10:20 & lab)		15 h
	Fall	NREM 3613 Principles of Sangeland Ecology and Mangement (Fall only TR 1:30-2:45)	STAT 2013 Elementary Statistics   (every semester multiple times)	→ CHEM 1215 <sup>†</sup> (Fall MWF	PBIO 1404 <sup>†</sup> Plant Biology (Every semester TR 9- 10:15 PLUS LAB)	Humanities & International Dimension Gen Ed course (3h)	17-18 h
Freshman	Spring	BIOL 1604 Animal Bio ← (every semester MWF 12:30-1:20, in Fall also has section MWF 3:30-4:20; & lab)	MATH 1513  College Algebra (every semester multiple times)	HIST 1103, 1483, or 1493 (every semester multiple times)	ENGL 1213, 1413, or — 3323 English Comp/Writing II (every semester)	Elective hours or Gen Ed N (3h)	16 h
	Fall	BIOL 1113 & 1111 — General Biology (every semester multiple times)	Take both: -AG 1011 Ag Orient (multiple times) -NREM 1012 Intro Nat Res (MW 9:30-10:20)	POLS 1113 (every semester multiple times)	ENGL 1113 or 1313 English Comp/Writing I (every semester)	Humanities & Diversity Gen Ed course (3h)	16 h

findicates a class required for the degree but also meets Gen Ed requirements. Therefore, these classes will complete all unspecified Gen Ed hours and allow students to take additional elective hours. These are accounted for by blocks with "Elective hours or Gen Ed..."

- Arrows indicate pre-requisite courses (solid=required, dashed=recommended), colored cells indicate classes that are only offered only every other year.
- It is possible that the times courses are offered will change. Students should check scheduling periodically to make any needed adjustments.
- -This is only one of several possible schedules. Students should use this as a starting point, but may need to make modifications to meet individual objectives.

## Advanced Science electives (take 5 hr + 9 hr more if student elects to use required science classes for gen ed electives)

AGEC 3423,3503 ANSI 1124, 3433, 3653, 4613
BIOL 3034, 3513, 4113, 4133, 4174, 4303, 4413
ENTO 2993, 3331, 4223 ENVR 1113, 4512
GEOG 3023, 3033, 3153, 3333, 4053, 4263, 4333, 4343
GEOL 3503
NREM 2134, 3091, 3101, 3111, 3143, 3153, 3224, 3502, 4053, 4093, 4403
4452, 4453, 4464, 4522, 4523, 4533, 4543, 4793, 4960, 4980, 4990
PBIO 3024, 3114, 4463
PLP 3343 PLNT 1213
POLS 4593 SOIL 4463, 4483, 4683