Catalog: 2026-2027 University of Wyoming Catalog
Program: Rangeland Ecology and Watershed Management, B.S.

Express Transfer Agreement (ETA) with Sheridan College

Sheridan College Rangeland Management, A.S. Requirements:

First Year at Sheridan College: Fall Semester – 16 Credits

Course Name	Credits	UW Notes
AGEC 1020 Agricultural Microeconomics	3	H
BIOL 1010 General Biology I	4	PN
ENGL 1010 - English Composition I with a C or better	3	C1
MATH 1400 College Algebra	4	Q
REWM 1005 Survey of Natural Resource Management	2	

First Year at Sheridan College: Spring Semester – 15 Credits

Course Name	Credits	UW Notes
BIOL 2020 – General Biology OR BIOL 2022 Animal Biology OR BIOL 2023 Biology of Plants and Fungi	4	BIOL 2022 or BIOL 2023 will satisfy UW degree requirements. BIOL 2020 is not required at UW.
CNST 0000 – US & WY Constitutions	3	V
COMM 2010 – Public Speaking	3	C2
REWM 2000 Principles of Rangeland Management	3	
PEL 0000 – Program Electives (2 credits)	2	

Summer Semester at Sheridan College: Spring Semester – 1 Credits

Course Name	Credits	UW Notes
REWM 2350 – Range and Pasture Monitoring	1	

Second Year at Sheridan College: Fall Semester – 15 Credits

Course Name	Credits	UW Notes
BIOL 2400 – General Ecology	3	
BIOL 2410 – Intro to Field Ecology	2	
CS 0001 – Cultural Studies other than Social & Behavioral Sciences	3	
REWM 2410 – Rangeland Ecosystems Note 1	2	
REWM 2390 – Capstone of Rangeland Ecosystems	1-4	
SOIL 2010 Intro to Soil Science	4	

Second Year at Sheridan College: Spring Semester – 13 Credits

Course Name	Credits	UW Notes
CHEM 1000 Intro to Chemistry OR CHEM 1020 General Chemistry	4	PN
PEL 0000 - Program Electives	3	
REWM 2420 – Range Plant Taxonomy Note 1	2	
STAT 2050 - Fundamentals of Statistics OR STAT 2070 – Intro to Statistics	4	Q

Total Degree Credit Hours: 60

Note 1: REWM 2420 – Range Plant Taxonomy will be awarded for both REWM 2410 and REWM 2420

Program Electives – 5 Credits

Course Name	Credits	UW Notes
AECL 0000 – Any course from the AECL department		
AGEC 0000 – Any course from the AGEC department		
AGRI 0000 – Any course from the AGRI department		
ANSC 0000 – Any course from the ANSC department		
BIOL 0000 – Any course from the BIOL department		
CHEM 0000 – Any course from the CHEM department		
CROP 0000 – Any course from the CROP department		
ES 002 - Any course from the ES department		
HORT 0000 – Any course from the HORT department		
MOLB 0000 – Any course from the MOLB department		
REWM 0000 – Any course from the REWM department		
ZOO 0000 - Any course from the ZOO department		

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Rangeland Ecology and Watershed Management, B.S.

Rangeland Ecology and Watershed Management provides you with the knowledge, skills, and tools to understand and manage range- and wild-lands in a diversity of landscapes and ecosystems.

Degree Requirements

This degree requires 120 credits, 42 of which are upper-division credits.

University Studies Program

This degree requires that The University Studies Program 2015 requirements are met before graduation. Some of the courses required for this major fulfill USP requirements, but not all. Students should check their degree evaluations and consult with their assigned academic advisor to discuss their specific course plan.

Course Name	Credits	UW Course in Major	AA/AS/AB/ADN satisfies this USP
C 1-Communication 1 (COM1)	3		X
C 2-Communication 2 (COM2)	3		X
C 3-Communication 3 (COM3)	3	(Must be completed at UW)	
Q-Quantitative Reasoning (Q)	3		X
PN-Physical and Natural World (1) (PN)	3		X
PN-Physical and Natural World (2) (PN)	3		X
H-Human Culture (1) (H)	3		X
H-Human Culture (2) (H)	3		X
V-US & WY Constitution (V)	3		X
FYS or USP Elective-Any 3-credit hour of FYS or 3-credit hours of USP electives	3		X

Note: FYS courses have been paused. 3 hours from any additional USP designated courses is still required.

Core Requirements (Courses must be completed with a grade of C or better): 58 Hours

Course Name	Credits	Sheridan College	Sequencing
LIFE 2022 - Animal Biology OR LIFE 2023 - Biology of Plants and Fungi	4	BIOL 2022 Animal Biology BIOL 2023 Biology of Plants and Fungi	Spring 2nd Year
REWM 2000 - Principles of Rangeland Management	3	REWM 2000 Principles of Rangeland Management	Spring 2nd Year
SOIL 2010 - Introduction to Soil Science	4	SOIL 2010 Intro to Soil Science	Fall 2nd Year
REWM 4130 - Applied Remote Sensing OR GIST 2310 - Intro to Geographic Information Systems	3-4	GIST 2310 Intro to Geographic Information Systems	
LIFE 3400 - General Ecology	3	BIOL 2400 – General Ecology	Fall 2nd Year
REWM 2400 - Range Ecosystems and Plants	4	REWM 2410 – Rangeland Ecosystems AND REWM 2420 – Range Plant Taxonomy *REWM 2400 is awarded for both REWM 2410+2420	Fall & Spring 2nd Year

Core Requirements, continued

Course Name	Credits	
AGEC 4700 - Economics of Range Resources	3	UW Course
REWM 3000 - Plant Ecophysiology/Plant Form and Function	4	UW Course
REWM 3100 - Principles of Wildland Water Quality	3	UW Course
REWM 4100 - Nutritional Ecological Management of Range Herbivores	3	UW Course
REWM 4285 - Wildland Hydrology	4	UW Course
REWM 4330 - Rangeland Ecosystem Assessment and Monitoring	4	UW Course
REWM 4530 - Seminar	1	UW Course
REWM 4700 - Wildland Watershed Management	3	UW Course
REWM 4830 - Ecological Applications for Wildland Management	3	UW Course
REWM 4850 - Rangeland Vegetation Management Techniques	3	UW Course
REWM 4900 - Rangeland Management Planning C3	3	UW Course
SOIL 4120 - Genesis, Morphology and Classification of Soils	4	UW Course

Additional Requirements (15 of these credit hours fulfill USP requirements): 18 Hours

Course Name	Credits	Sheridan College	Sequencing
CHEM 1000 - Introductory Chemistry PN	4	CHEM 1000 Intro to Chemistry	Spring 2nd Year
AGEC/ECON 1020 - Principles of Microeconomics H	3	AGEC 1020 Agricultural Microeconomics	Fall 1st Year
LIFE 1010 - General Biology PN	4	BIOL 1010 General Biology I	Fall 1st Year
MATH 1400 - College Algebra Q	3	MATH 1400 College Algebra	Fall 1st Year
STAT 2050 - Fundamentals of Statistics Q	4	STAT 2050 Fundamentals of Statistics	Spring 2nd Year

Free Electives: 29 Hours

Remaining credit hours fulfilled by USP requirements: 15 Hours

Course Name	Credits	Sheridan College	Sequencing
Free Elective			
Free Elective			
Free Elective			
Free Elective			
Free Elective			

Notes:

COURSE SUBSTITUTIONS: WyoTAGs reflect published equivalencies. UW academic departments occasionally arrange for course substitutions when indirect equivalencies exist. Please contact your UW Academic Advisor for details.

EFFECTIVE DATE: This document is in effect as of the 2026-2027 catalog year; it reflects the published UW curriculum as of that date. Any changes to the UW curriculum or the WYCC course equivalents will require this document to be updated. To request an updated document, faculty should contact transfer@uwyo.edu via email.