



Ranch Management & Agricultural Leadership, B.S

The RMAL degree integrates many of the existing courses and faculty expertise of academic departments within the College of Agriculture, Life Sciences and Natural Resources (CALSNR). This program will be administered at the College level with resources and recognition shared among all participating departments. The degree is profoundly interdisciplinary, as the objective is for students to develop a foundational level of competency in animal production, agricultural business operations, forage production, and rangeland and soil management as well as developing critical competencies in leadership, communications, human resources management, and technology.

Degree Requirements

This degree requires 123 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 (U5C1) (COM1)	3		X
C 2-Communication 2 (U5C2) (COM2)	3		X
C 3-Communication 3 (U5C3) (COM3)	3	(Must be completed at UW)	
Q-Quantitative Reasoning (U5Q)	3		X
PN-Physical and Natural World (1) (U5PN)	3		X
PN-Physical and Natural World (2) (U5PN)	3		X
H-Human Culture (1) (U5H)	3		X
H-Human Culture (2) (U5H)	3		X
V-US & WY Constitution (U5V)	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.

Communication 2

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
ERS 3000 - Energy Project Outreach and Communications C2								
OR ZOO 2450 - Fish and Wildlife Management in the Anthropocene C2		X		X	X	X	X	
OR COMM 2010 - Public Speaking C2		X	X	X	X	X	X	X

Communication 3

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
RMAL 4760 - Organizational Leadership in Agriculture C3	3							

Quantitative Reasoning

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
MATH 1400 - College Algebra Q	3	X	X	X	X	X	X	X

Physical & Natural World (1)

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
LIFE 1010 - General Biology PN	4	Note 1	Note 1	Note 1	Note 1	Note 1	Note 10	Note 1

Physical & Natural World (2)

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
CHEM 1000 - Introductory Chemistry PN	4	X	X	X	X	X	X	X

Human Culture (2)

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
COMM 1040 Intro to Communication Theory (Recommended) But you could take AGEC/ECON 1010 Principles of Macroeconomics H	3	Note2 OR Note 3	Note2 OR Note 3	Note2 OR Note 3	Note 3	Note 3	Note2 OR Note 3	Note2 OR Note 3
AGEC/ECON 1020 - Principles of Microeconomics H	3	X	X	X	X	X	X	X

Ranch Management & Agricultural Leadership

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
RMAL 1010 - Introduction to Ranch Management & Agricultural Leadership	4							
RMAL 2040 - Quantitative Tools for Managing Agricultural Resources	3							
RMAL 3000 - Beginning Ranch & Rangeland Problem Solving and Planning	3							
RMAL 3020 - Public Policy and Regulatory Considerations for Ranch & Rangeland Mgmt OR AGEC 3400 - Agricultural Law	3							
RMAL 4000 - Advanced Ranch and Rangeland Problem Solving and Planning	3							
RMAL 4700 - Elements of Leadership	3							
RMAL 4800 - Practices in Advanced Leadership and Personal Effectiveness	3							
RMAL 4970 - Agriculture Related Operations Internship	1-2							
RMAL 4971 - Agency or NGO Internship	1-2							
RMAL 4972 - Ranch Management Internship	1-2							
RMAL 4990 - Topics: Ranching in the West /RMAL 5990 Required 4 times	1-3							

Agricultural Business

Variable credit hours are dependent upon the elective hours the student chooses to take.

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
AGEC 2020 - Farm and Ranch Business Management OR AGEC 4700 - Economics of Range Resources	3-4	X	X	X	X	X	X	
AGEC 4640 - Advanced Farm/Ranch Management OR AGEC 3030 - Applied Economic Decisions	3							
AGEC 4830 - Agricultural Commodities and Futures Markets OR AGEC 4050 - Agribusiness Marketing OR AGEC 4060 - Agribusiness Management	3							
AGEC 4500 - Agricultural Finance	3							

Animal Production

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
ANSC 2010 - Domestic Animal Metabolism	3		X		X			
LIFE 2022 - Animal Biology	4	Note 4	Note 4		Note 4	Note 4		Note 4
ANSC 3010 - Domestic Animal Systems Physiology	4							
ANSC 3100 - Principles of Animal Nutrition	3							
ANSC 4120 - Principles of Mammalian Reproduction	4							
ANSC 4220 - Advanced Beef Production and Management OR ANSC 4230 - Advanced Sheep Production & Management	3							

Plant Production and Rangeland Management

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
SOIL 2010 - Introduction to Soil Science	4	X	X	X	X	X	X	
PLNT 4070 - Weed Science and Technology OR REWM 4000 - Poisonous Plants and Plant Toxins	3-4							
PLNT 4700 - Forage Crop Science OR PLNT 2200 - Field Crop Production	3			Note 5				
REWM 2000 - Principles of Rangeland Management	3	X	X	X	X	X	X	X
REWM 2400 - Range Ecosystems and Plants	4				X			

Plant Production and Rangeland Management continued

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
REWM 4100 - Nutritional Ecological Management of Range Herbivores OR REWM 4750 - Wildlife Habitat Restoration Ecology	3							
REWM 4330 - Rangeland Ecosystem Assessment and Monitoring Credits: 4 OR REWM 4850 - Rangeland Vegetation Management Techniques Credits: 3	3-4							

Electives

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
MGT/RMAL 2030 - Principle-Based Ethics	3	Note 6	Note 7		Note 6	Note 6 OR Note 7	Note 6 OR Note 7	Note 6 OR Note 7
ORTM/RMAL 1300 - Intro to Agritourism	3							
LEAD/RMAL 3110 - Foundations for Leadership	3		Note 8					

Notes:

Note 1 UW LIFE 1010 = WYCCs BIOL 1010

Note 2 COMM 1040

Note 3 AGECECON 1010

Note 4 LIFE 2022 at UW= BIOL 2022 at WYCCs

Note 5 PLNT 2200 = CROP 2300

Note 6 MGT/RMAL 2030 at UW = BADM 2030 at WYCCs

Note 7 MGT/RMAL 2030 at UW = MGT 3110

Note 8 Course must be taken at UW

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.