

2025-2026 Block Transfer Map: Qualifying Transfer Associate Degree from a Wyoming Community College to the University of Wyoming

Energy Resource Management and Development, Professional Land Management Concentration, B.S.

This Block Transfer has been written for students who have earned a qualifying transfer associate degree (*Associate of Arts (AA)*, *Associate of Science (AS)*, *Associate of Business (AB)*, or *Associate Degree in Nursing (ADN)*) with a minimum of sixty (60) credits in any major from one of the Wyoming Community Colleges (WYCC) who wish to complete the Bachelors in Energy Resource Management and Development, Professional Land Management Concentration at the University of Wyoming (UW).

While some of the courses taken for the associate degree at the Community College are not specified in this document, the UW degree program relies on the foundational coursework completed for the associate degree to prepare the student for baccalaureate-level study.

Students may create a [WyoTransfer](#) account now to see how all completed coursework fulfills specific degree requirements.

Courses/categories that must be taken at UW are highlighted in GOLD. If a student wishes to take any of these courses at another institution, they must speak with their UW academic adviser.

BLOCK 1: University Studies Program (USP) Requirement

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.

Please refer to the [University Catalog](#) and click on the link in the left-hand navigation pane titled “The University Studies Program 2015” for more information.

A grade of C or above is required for University Studies Program (USP) categories: FYS, C1, C2, and C3.

USP Requirement		UW Course in Major
C1	Communication 1 (3cr)	ENGL 1010 Offered at all WyoCC's
C2	Communication 2 (3cr)	See list of Approved C2 coursework listed on pg. 3.
C3	Communication 3 (3cr)	ERS 4135
Q	Quantitative Reasoning (3cr)	MATH 1405/MATH 1450 Offered at all WyoCC's
PN	Physical and Natural World 1 (3cr)	ENR/ERS 1000
PN	Physical and Natural World 2 (3cr)	GEOL 1100 Offered at all WyoCC's
H	Human Culture 1 (3cr)	AGEC/ECON 1020 Offered at all WyoCC's
H	Human Culture 2 (3cr)	ECON/ERS 1300
V	U.S. & WY Constitution (3cr)	POLS 1000 Offered at all WyoCC's
	Any 3-credit hour of FYS or 3-credit hours of USP electives (3cr)	Satisfied upon completion of qualifying associate degree

Energy Resource Management and Development, Professional Land Management Concentration, B.S.

Professional Land Management majors determine ownership and title of surface and subsurface rights, negotiate leases between owners and energy developers, ensure federal and state regulatory compliance in energy development, and negotiate and maintain company contractual obligations for both development and the subsequent revenue streams.

BLOCK 2: Lower Division Requirements

University of Wyoming Requirements:

- Total minimum credits required (including transfer credit) is 120 credits.
- Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be taken in residence at UW.
- No more than 4 credits of physical activity may be applied to the minimum credit hour requirement for UW baccalaureate degree.
- Minimum Cumulative GPA is 2.00.
- The UW Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
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Professional Land Management (PLM) Core Curriculum:

Students must earn a letter grade of C or better in each course and a cumulative GPA of 2.000 or better.

ACCT 2010 - Principles of Accounting I (3cr)	ACCT 2010	ACCT 2010	ACCT 2010	ACCT 2010	ACCT 2010	ACCT 2010	ACCT 2010
ACCT 2020 - Principles of Accounting II (3cr)	ACCT 2020	ACCT 2020	ACCT 2020	ACCT 2020	ACCT 2020	ACCT 2020	ACCT 2020
AGEC/ECON 1020 - Principles of Microeconomics (3cr) (H)	AGEC 1020 OR ECON 1020	ECON 1020	ECON 1020	AGEC 1020 OR ECON 1020	AGEC 1020 OR ECON 1020	AGEC 1020 OR ECON 1020	ECON 1020
DSCI 2100 - Introduction to Operations and Supply Chain Management (3cr)				<i>Pending</i>	<i>Pending</i>	<i>Pending</i>	<i>Pending</i>
ECON/ERS 1300 - Oil: Business, Culture, and Power (3cr) (H) (ASG)							
ENGL 1010 - College Composition and Rhetoric (3cr) (C1)	ENGL 1010	ENGL 1010	ENGL 1010	ENGL 1010	ENGL 1010	ENGL 1010	ENGL 1010
ENR/ERS 1000 - Energy and Society (3cr) (PN)							
ERS 2010 - Introduction to Land Management (3cr)							
ERS/GEOL 1310 - The Water-Energy-Climate Nexus (3cr)							
FIN 2100 - Principles of Finance (3cr)	FIN 2100			FIN 2100	FIN 2100	FIN 2100	
GEOL 1100 - Physical Geology (4cr) (PN)	GEOL 1100	GEOL 1100	GEOL 1100	GEOL 1100	GEOL 1100	GEOL 1100	GEOL 1100
GIST 2200 - Spatial Data Visualization (3cr)			GIST 2200				
GIST 2310 - Intro to Geographic Information Systems (4cr)	GIST 1100	GIST 2310		GIST 2310	GIST 2310	GIST 2310	GIST 2310
MATH 1405 - Trigonometry (3cr) (Q) OR MATH 1450 - Algebra and Trigonometry (5cr) (Q)	MATH 1405 OR MATH 1450	MATH 1405 OR MATH 1450	MATH 1405	MATH 1405	MATH 1405 OR MATH 1450	MATH 1405 OR MATH 1450	MATH 1405 OR MATH 1450
MATH 2200 - Calculus I (4cr) (Q)	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200
MGT 2010 – Legal Environment of Business (3cr)	BADM 2010	BADM 2010	BADM 2010	BADM 2010	BADM 2010	BADM 2010	BADM 2010
PETE 2050 - Fundamentals of Petroleum Engineering (3cr)							
POLS 1000 - American and Wyoming Government (3cr) (V)	POLS 1000	POLS 1000	POLS 1000	POLS 1000	POLS 1000	POLS 1000	POLS 1000
STAT 2050 – Fundamentals of Statistics (4cr) (Q)	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050

BLOCK 3: COM2

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
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COM2 Elective, Pick ONE

COMM 2010 - Public Speaking (3cr) (C2)	COMM 2010	COMM 2010	COMM2010	COMM 2010	COMM 2010	COMM2010	COMM 2010
ECON 2400 - Economics of the Environment (3cr) (C2)	ECON 2400				ECON 2400		
ENGL 2005 - Writing in Technology and the Sciences (3cr) (C2)	ENGL 2005					ENGL 2005	ENGL 2005
ENR 2000 - Environment and Society (3cr) (C2)	ENR 2000						
ENR 3300 - Environmental Policy, Conservation and Development in India (3cr) (C2)							
ERS 3000 - Energy Project Outreach and Communications (3cr) (C2) (Recommended)							
GEOL 2220 - Communicating Earth Science (3cr) (C2)							
HP 2020 - Honors Colloquium II (3cr) (C2)							

BLOCK 4: Upper Division Requirements**Professional Land Management (PLM) Core Curriculum**

DSCI 4260 - Project Management (3cr)	
ENR 4750 - ENR Law and Policy (3cr)	
ERS/GEOL 4010 - Exploration Geoscience (3cr)	
ERS 4100 - Property I (3cr)	
ERS 4105 - Property II (3cr)	
ERS 4110 - Common Law and Contracts (3cr)	
ERS 4120 - Federal Public Land Law (3cr)	
ERS 4130 - Oil and Gas and the Law of Subsurface Property (3cr)	
ERS 4135 - Advanced Energy Law (3cr) (C3)	
ERS 4482 - Global Climate Governance (3cr) (H)	
OR	
ERS 4502 - Energy Finance (3cr)	
ERS 4985 - Seminar (1-3cr)	

BLOCK 5: Elective Options

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
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Data Analysis Elective, Pick ONE

ENR 4500 - Risk Analysis (4cr)							
ENR/GEOL 4525 - Environmental Data Analysis (4cr)							
ES 1060 - Introduction to Engineering Problem Solving (3cr)	ES 1060	ES 1060		ES 1060	ES 1060	ES 1060	ES 1060
GEOL 2120 - Quantitative GeoMethods (3cr)							
GEOL 4250 - Mathematical Geosciences (3cr)							
GIST 4211 - Advanced Remote Sensing (3cr)							
IMGT 2400 - Introduction to Information Management (3cr) (Recommended)	IMGT 2400	IMGT 2400	IMGT 2400	IMGT 2400 OR Pending	IMGT 2400	IMGT 2400	IMGT 2400
PETE 1060 - Introduction to Petroleum Engineering Problem Solving (3cr)							
STAT 3050 - Statistical Methods (3cr)							
ZOO 4400 - Population Ecology (3cr)							

Economics Elective, Pick ONE

AGEC/ENR 3750 - Natural Resource Planning and Economics (3cr)							
ERS/ECON 3400 - Energy Markets & Policy (3cr) (Recommended)							

General Elective, 15cr in total, 9cr must be upper division

AGEC 3400 - Agricultural Law (3cr)		Pending					
AGEC 4600 - Community Economic Analysis (3cr)							
AGEC 4700 - Economics of Range Resources(3cr)							
AGEC 4710 - Natural Resource Law and Policy (3cr)							
AGEC 4720 - Water Resource Economics (3cr)							
BOT/RNEW 4775 - Forest Ecology (4cr)							
CHE 2005 - Chemical Process Analysis (3cr)							
CHEM/ERS 4050 - Solar Energy Conversion (3cr)							
CRMJ 4990 - Special Topics (3cr)							
DSCI 4230 - Purchasing and Supply Management (3cr)							

BLOCK 5: Elective Options Continued

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
General Elective, 15cr in total, 9cr must be upper division (continued)							
DSCI 4240 - Computer Applications in Decision Sciences (3cr)							
DSCI 4280 - Supply Chain Management (3cr)							
ECON/AGEC 1010 - Principles of Macroeconomics (3cr) (H)	AGEC 1010 OR ECON 1010	ECON 1010	AGEC 1010 OR ECON 1010	AGEC 1010 OR ECON 1010	AGEC 1010 OR ECON 1010	AGEC 1010 OR ECON 1010	ECON 1010
ECON 4420 - Seminar: Economics for ENR (2-4cr)							
ECON 4430 - Energy Economics (3cr)							
EDSE 3040 - Energy and Power Technology (3cr)							
ENR 1200 - Environment (4cr) (PN)	ENR 1200	BIOL 1080				BIOL 1080 OR ENR 1200	
ENR 2300 - Foundations of Sustainability (3cr) (H)							
ENR/GEOG/GEOL 3450 - Weather and Climate (3cr)							
ENR 3700 - Wyoming Conservation Corps Practicum (1cr)							
ENR 3900 - Seminar in Environment and Natural Resources (1-3cr)							
ENR/SOC 3950 - Environmental Sociology (3cr)							
ENR 4010 - Winter Ecology: Skills of the Winter Naturalist (1cr)							
ENR 4011 - Winter Ecology: Snowpack Science and Dynamics (1cr)							
ENR 4012 - Winter Ecology: Wildlife and Plant Adaptations (1cr)							
ENR/GEOG/GEOL 4040 - Conservation of Natural Resources (3cr)							
AMST/ENR/GEOG/POLS/REWM 4051 - Environmental Politics (3cr)							
BOT/ENR/ZOO 4420 - Conservation Biology (3cr)							
ENR 4560 - Conservation Entrepreneurship (3cr)							
ENR 4600 - Campus Sustainability (3cr)							

BLOCK 5: Elective Options Continued**General Elective, 15cr in total, 9cr must be upper division (continued)**

ENR 4890 - Topics in Environment and Natural Resources (1-6cr)	
ENR 4900 - Capstone in ENR (3cr) (C3)	
ENR 4950 - Leadership in Natural Resources Management (2cr)	
ENR 4960 - Field Studies in: (1-6cr)	
ENR 4970 - ENR Internship (1-6cr)	
ERS 3010 - Air Quality Management (3cr)	
ESE/ME 4460 - Solar and Geothermal Engineering (3cr)	
ESE/ME 4470 - Wind and Ocean Energy Engineering (3cr)	
CE/ERS 4480 - Carbon Capture and Storage (3cr)	
CHE/ERS 4481 - Geological Carbon Sequestration (3cr)	
ERS 4960 - Energy Field Studies (3cr)	
ERS 4965 - Undergraduate Research (3cr)	
ERS 4970 - Internship (1-4cr)	
ERS 4975 - Global Experience in Energy (2-4cr)	
ERS 4990 - Topics in Energy Resource Development and Management (1-6cr)	
FIN 3310 - Investment Management (3cr)	
FIN 3520 - Financial Markets (3cr)	
GEOG/INST 3050 - Economic Geography (3cr)	
ESS/GEOG/GEOL 3480 - Environmental Change (3cr) (ASG)	
GEOG/GEOL 3550 - Natural Hazards and Society (3cr)	
GEOG 4080 - Management of Major River Basins (3cr)	
GEOG/GEOL 4113 - Geological Remote Sensing (4cr)	
GEOG/GEOL 4470 - Fire Ecology (3cr)	
GEOG 4880 - Current Topics (1-6cr)	
GEOG 4885 - Seminar: (TOPICS) (1-3cr)	

BLOCK 5: Elective Options Continued

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
General Elective, 15cr in total, 9cr must be upper division (continued)							
GEOL 1001 - Earth Science and Society (1cr)							
GEOL/ASTR 1070 - The Earth: Its Physical Environment (4cr) (PN)	GEOL 1070	GEOL 1070 OR ASTR 1070			GEOL 1070		
GEOL/ENR 1330 - Water, Dirt, and Earth's Environment (4cr) (PN)	ENR 1330 OR GEOL 1330						
GEOL 1320 - Global Sustainability: Managing Earth's Resources (4cr)							
GEOL/ESS 2000 - Geochemical Cycles and the Earth System (4cr)	GEOL 2000					GEOL 2000	
GEOL 2080 - General Field Geology (3cr)	GEOL 2080						GEOL 2080
GEOL 3040 - Introduction to Groundwater (3cr)							
GEOL 3250 - Geosciences and Computers (4cr)							
GEOL 3500 - Global Change: A Geological Perspective (4cr)							
GEOL 3600 - Earth and Mineral Resources (4cr) (PN)							
GEOL 3650 - Energy for Society: Addressing the Energy Grand Challenge (4cr) (PN)							
GEOL 4001 - Modeling the Earth System (4cr)							
GEOL 4060 - Rocky Mountain Field Trip (1cr)							
GEOL 4190 - Petroleum Geology (3cr)							
GEOL 4191 - Methods in Petroleum Geology (3cr)							
GIST 1001 - GIST Orientation and Portfolio (1cr)							
GIST 1200 - Geospatial Foundations (3cr)		GIST 1200					
GIST 2110 - Techniques in Cartography (3cr) (C2)		GIST 2110					
GIST 2140 - Survey of Remote Sensing Applications (3cr) (PN)		GIST 2140					
GIST 2190 - Introduction to Programming in Geospatial Information Science and Technology (3cr)		GIST 2190					
GIST 3140 - Introduction to Remote Sensing (3cr)							
GIST/PLNT/RNEW 4130 - Applied Remote Sensing (3cr)							

BLOCK 5: Elective Options Continued

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
General Elective, 15cr in total, 9cr must be upper division (continued)							
GIST 4410 - UAS Sensors and Platforms (1cr)							
GIST 4420 - UAS Mission Planning (1cr)							
GIST 4430 - UAS Regulations and Safety (1cr)							
GIST 4440 - UAS Ground School and Operations (2cr)							
GIST 4450 - UAS Data Acquisition and Processing (3cr)							
GIST 4790 - Special Topics in Geospatial Information Science and Technology (1-6cr)							
GIST 4870 - Internship in Geospatial Information Science and Technology (1-12cr)							
GIST 4950 - Undergraduate Research in Geospatial Information Science and Technology (1-6cr)							
HIST 4535 - History of Oil (3cr)							
LIFE 3400 - General Ecology (3cr)							
LIFE 3410 - Introduction to Field Ecology (2cr)							
LS 2010 - Engineering Surveying Lecture (2cr)							
LS 2015 - Engineering Surveying Laboratory (1cr)							
LS 2020 - GPS for Land Surveyors (4cr)					LS 2020		
LS 2100 - Records Research for Surveyors (3cr)							
LS 2410 - GIS in Surveying (3cr)							
LS 3210 - Advanced Surveying (4cr)							
MGT 2030 - Principle-Based Ethics (3cr)	BADM 2030	<i>Pending</i>		BADM 2030	BADM 2030 OR <i>Pending</i>	BADM 2030 OR <i>Pending</i>	BADM 2030 OR <i>Pending</i>
MGT 3410 - Human Resources Management (3cr)							
MGT 3420 - Organizational Behavior and Leadership (3cr)							
MGT 4240 - Performance and Compensation (3cr)							
MGT 4260 - Training and Development (3cr)							
MGT 4340 - Law for Managers (3cr)							

BLOCK 5: Elective Options Continued

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
General Elective, 15cr in total, 9cr must be upper division (continued)							
MGT 4350 - Commercial Law (3cr)							
MGT 4360 - Business Law for Entrepreneurs (3cr)							
MGT 4370 - Employment Law (3cr)							
MGT 4430 - Organization Design and Change (3cr)							
MGT 4800 - Business Strategy and Policy (3cr) (C3)							
MGT 4900 - Independent Study in Management (1-4cr)							
MGT 4910 - Topics in Management (3cr)							
MKT 2100 - Introduction to Marketing (3cr)	MKT 2100	<i>Pending</i>	MKT 2100	MKT 2100 OR <i>Pending</i>	MKT 2100	MKT 2100 OR <i>Pending</i>	<i>Pending</i>
NAIS 3300 - Federal Indian Law (3cr)		<i>Pending</i>					
NAIS 4100 - Tribal Government (3cr)		<i>Pending</i>					
NAIS 4340 - Natural Resource Management on Western Reservations (3cr)		<i>Pending</i>					
PETE 4820 - Blockchain in Energy (3cr)							
PETE/EPE 4860 - Energy, Environment, and Materials (3cr)							
PHIL 2420 - Critical Thinking (3cr) (H)	PHIL 2420	PHIL 2420					
PLNT 1000 - Agroecology (4cr) (PN)	AECL 1000	AECL 1000	AECL 1000	AECL 1000	AECL 1000	AECL 1000	
PLNT 3030 - Ecological Web: Ecology of Plant Protection (3cr)							
PLNT 4070 - Weed Science and Technology (4cr)							
ENR/POLS 3620 - Environmental Justice (3cr)							
AMST/ENR/GEOG/POLS/REWM 4052 - Federal Land Politics (3cr)							
POLS/INST 4385 - Environment and Resource Conflict (3cr)							
INST/POLS 4455 - Energy Security (3cr)							
GEOG/POLS/INST 4555 - Political Ecology (3cr)							
REWM 2000 - Principles of Rangeland Management (3cr)	REWM 2000	REWM 2000	REWM 2000	REWM 2000	REWM 2000	REWM 2000	REWM 2000

BLOCK 5: Elective Options Continued

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
General Elective, 15cr in total, 9cr must be upper division (continued)							
ENR/REWM 3100 - Principles of Wildland Water Quality (3cr)							
REWM 4200 - Reclamation of Drastically Disturbed Lands (3cr)							
ENR/REWM 4285 - Wildland Hydrology (4cr)							
REWM 4330 - Rangeland Ecosystem Assessment and Monitoring (4cr)							
REWM 4340 - Reclamation Techniques Field Trip (2cr)							
REWM 4440 - Applied Fire Ecology (3cr)							
REWM 4500 - Rainfall-Runoff Modeling (3cr)							
REWM 4530 - Seminar (1cr)							
REWM 4580 - Rangeland Restoration Ecology (3cr)							
REWM 4600 - Drone-Based Remote Sensing (3cr)							
REWM 4700 - Wildland Watershed Management (3cr)							
REWM 4710 - Watershed Water Quality Management (3cr)							
REWM 4750 - Wildlife Habitat Restoration Ecology (3cr)							
REWM 4810 - Experiments in Restoration (2cr)							
REWM 4830 - Ecological Applications for Wildland Management (3cr)							
REWM 4850 - Rangeland Vegetation Management Techniques (3cr)							
REWM 4900 - Rangeland Management Planning (3cr) (C3)							
SELL 3310 - Professional Selling (3cr) (C2)							
SOC 1000 - Sociological Principles (3cr) (H)	SOC 1000	SOC 1000	SOC 1000	SOC 1000	SOC 1000	SOC 1000	SOC 1000
SOC 4890 - Special Topics in (1-3cr)							
SOIL 2010 - Introduction to Soil Science (4cr)	SOIL 2010	SOIL 2010	SOIL 2010	SOIL 2010	SOIL 2010	SOIL 2010	
SOIL/ENR 3130 - Environmental Quality (3cr)							
SOIL 4100 - Soil Physics (3cr)							
SOIL 4105 - Soil Physics Laboratory (2cr)							

BLOCK 5: Elective Options Continued**General Elective, 15cr in total, 9cr must be upper division (continued)**

SOIL 4120 - Genesis, Morphology and Classification of Soils (4cr)	
SOIL 4130 - Chemistry of the Soil Environment (3cr)	
MICR/SOIL 4140 - Soil Microbiology (4cr)	
SOIL 4150 - Forest and Range Soils (3cr)	
SOIL 4160 - Soil Health and Nutrient Cycling (3cr)	
MICR/MOLB/SOIL 4540 - Microbial Diversity and Ecology (4cr)	
SOIL 4565 - Research: Soil Science (1-4cr)	
SOWK 4780 - Seminar: (1-9cr)	
UWYO 1019 - UWYO Saddle Up (1cr) (FY)	

Negotiation Elective, Pick ONE

AGEC/ENR 4450 - Negotiation (3cr)	
AGEC/ENR 4550 - Negotiation Analysis (3cr)	
MGT 4470 - Negotiations and Conflict Resolution (3cr)	

COURSE SUBSTITUTIONS: Block articulations are intended to reflect direct published equivalencies between institutions. 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 2025-2026 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.