University of Wyoming School of Energy Resources Block Transfer with earned qualifying Transfer Associate Degree from the Wyoming Community Colleges for a Bachelor of Science degree with a major in Energy Resource Management & Development and a concentration in Energy and Environmental Systems

This Block Transfer Guide has been written for students who have earned a qualifying transfer associate degree with a minimum of sixty (60) credits in any major from one of the Wyoming Community Colleges (WYCC) who wish to complete the Bachelor of Science with a major in Energy Resource Management & Development with a concentration in Energy & Environmental Systems.

Block 1: University Studies Program (USP)

Block 2: Pre-Transfer Prerequisite Courses

Block 3: Lower Division requirements

Block 4: Major requirements

Block 5: Additional credits to make 120 credits total, as needed

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

Qualifying transfer associate degrees are: Associate of Arts (AA), Associate of Science (AS), Associate of Business (AB), and Associate Degree in Nursing (ADN).

BLOCK 1: University Studies Program (USP) Requirements

Please click here for more information about USP.

Courses taken to satisfy General Education requirements at the WYCC are considered essential to prepare the student for entry into the Bachelor of Science degree program at UW. Because of the quality of that foundation, students entering UW as of Fall 2001 who have completed a qualifying associate degree from the WYCC earned spring 2014 or later are awarded the lower division general education requirements included in the USP, with the understanding that all students must successfully complete:

<u>USP: First Year Seminar (FYS)</u> Students transferring with a qualifying earned associate degree earned after completing high school will have USP: FYS waived. Students who completed the associate degree as a concurrently enrolled high school student will be required to take a First Year Seminar course at UW with a minimum grade of C.

<u>USP: US & Wyoming Constitutions (V)</u> All students must have taken a course that satisfies the statutory requirement for US/WY Government & Constitutions. Students transferring from the WYCC with a qualifying transfer degree should select a course at the community college that will transfer to satisfy this requirement.

USP: Communications 3 (C3) This upper division writing requirement is satisfied by completing the required course (ENGL 4010 or

ENGL 4025 or ENGL 4075; ENR dual majors satisfy this requirement by taking ENR 4900) with a minimum grade of C.

BLOCK 2: Pre-Transfer Prerequisite Courses							
UW Courses (Required)	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County ^{Community} College	Northern Wyoming Community College District	Northwest College	Western Wyoming ^{Community} College
ACCT 2010 Principles of Accounting I (3cr)	ACCT	ACCT	ACCT	ACCT	ACCT	ACCT	ACCT
	2010	2010	2010	2010	2010	2010	2010
STAT 2050 Fundamentals of Statistics (4cr) or	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050
STAT 2070 Intro Statistics for Social Sciences (4cr)	or 2070	or 2070	or 2070	or 2070	or 2070	or 2070	or 2070
MATH 2200 Calculus I (4cr) <i>or</i>	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200
MATH 2350 Business Calculus (4cr)	or 2350	or 2350	or 2350	or 2350	or 2350	or 2350	or 2350
AGEC 1020 Principles of Microeconomics (3cr) or	AGEC or	ECON	ECON	AGEC or	AGEC or	AGEC or	ECON
ECON 1020 Principles of Microeconomics (3cr)	ECON 1020	1020	1020	ECON 1020	ECON 1020	ECON 1020	1020

BLOCK 3: Lower Division Coursework

Students may take these courses at UW, or they may transfer them from one of the community colleges if an equivalent is offered. If the cell is blank, an equivalent course is not available at that community college. Students are reminded that they must meet UW residency requirements as outlined in Block 4.

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UW Courses (Required)	Casper	Central	Eastern	Laramie	Northern	Northwest	Western
ENR/ERS 1000 Energy & Society (3cr)							
ERS/ECON 1300 Oil: Business, Culture, & Power (3cr)							ECON1300
GIST 1200 Geospatial Foundations (3cr)							
GIST 2310 Intro Geographic Info Systems (3cr)							
LIFE 1010 General Biology (4cr)	BIOL1010						
LIFE 2023 Biology of Plants & Fungi (4cr)	BIOL2023			BIOL2023	BIOL2023	BIOL2023	BIOL2023
REWM 2000 Principles of Rangeland Mgt (3cr)	REWM2000	REWM2000	REWM2000	RGMG2000	REWM2000	REWM2000	REWM2000
REWM 2400 Range Ecosystems & Plants (4cr)					REWM2400		
SOIL 2010 Intro to Soil Science (4cr)	SOIL2010	SOIL2010			AECL2010	AECL2010	
<u>Chemistry Elective</u> (4cr) (select one): CHEM 1000 Introductory Chemistry or CHEM 1020 General Chemistry I or CHEM 1050 Advanced General Chemistry	CHEM1000 or CHEM1020						

BLOCK 4: Major Requirements

School of Energy Resources Requirements:

- The student must earn a letter grade of C or better (C- is not sufficient) in each course.
- The student must earn a cumulative GPA of 2.00 or better.
- Consult your adviser before taking a course at another institution. A syllabus may be required to review transfer equivalency.

University of Wyoming Requirements:

- Total minimum credits required (including transfer credit) is 120 credits.
- Minimum cumulative GPA is 2.00.
- No more than 4 credits of physical activity coursework may be applied to the minimum credit hour requirement for UW baccalaureate degree.
- Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be taken in residence at UW.
- Students may not take a course for S/U credit to satisfy any requirement unless the course is offered for S/U credit only. (UW S/U grade policy statement for spring 2020: <u>http://www.uwyo.edu/transfer/_files/documents/transfer-policies/covid19-transfer-policy-statement.pdf</u>)
- A grade of C or above is required for University Studies Program (USP) categories: FYS, C1, C2, and C3.
- The UW Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.

REQUIRED MAJOR COURSES				
UW Course/Category	UW Course Title	Notes/List of Course Options		
DSCI 4260	Project Management (3cr)	May be able to transfer; consult your academic adviser		
ENR 4750	ENR Law & Policy (3cr)			
ERS 3010	Air Quality Management (3cr)			
ERS 4120	Federal Public Land Law (3cr)			
FIN 3250	Corporate Finance (3cr)	May be able to transfer; consult your academic adviser		
LIFE 3400	General Ecology (3cr)			
REWM 3100	Principles of Wildland Water Quality (3cr)			
REWM 4200	Reclamation of Drastically Disturbed Land (3cr)			
REWM 4580	Rangeland Restoration Ecology (3cr)			
REWM 4700 or	Wildland Watershed Management (3cr)			
REWM 4710	Rangeland Restoration Ecology (3cr)			
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- Listed below are the categories that allow multiple courses to satisfy the requirement.
- Upper division courses must be taken at UW.
- Courses are not permitted to apply to more than one requirement (for example, if the course is required in your major, it cannot also apply to the General Electrice in the major)

<u>3 credits</u> :	Minimum grade C
	Satisfies Upper Division Writing (USP: C3)
Technical Writing in the Professions	
Writing for the Web	
Writing for Non-Profits	
ENR dual majors must take:	
ENV Assessment/ENR Policy in Practice	ENR dual majors <u>must</u> take ENR 4900 to satisfy USP: C3
<u>3 credits (minimum)</u> :	
Adv Remote Sensing of the Environment (4cr)	
Introduction to Problem Solving (3cr)	
Risk Analysis (4cr)	
Environmental Data Analysis (4cr)	
Adv Remote Sensing of the Environment (4cr)	
Quantitative Geo Methods (3cr)	
Mathematical Geosciences (3cr)	
Environmental Data Analysis (4cr)	
Advanced Remote Sensing (3cr)	
Intro to Business Analytics (3cr)	
Statistical Methods – General (3cr)	
Population Ecology (3cr)	
<u>3 credits</u> :	
Energy Markets & Policy	ECON/ERS 3400 preferred
Seminar: Economics for ENR	
Natural Resource Planning & Economics	
Community Economic Analysis	
Economics of Range Resources	
Water Resource Economics	
	Technical Writing in the Professions Writing for the Web Writing for Non-Profits ENR dual majors must take: ENV Assessment/ENR Policy in Practice <u>3 credits (minimum)</u> : Adv Remote Sensing of the Environment (4cr) Introduction to Problem Solving (3cr) Risk Analysis (4cr) Environmental Data Analysis (4cr) Adv Remote Sensing of the Environment (4cr) Quantitative Geo Methods (3cr) Mathematical Geosciences (3cr) Environmental Data Analysis (4cr) Advanced Remote Sensing (3cr) Intro to Business Analytics (3cr) Statistical Methods – General (3cr) Population Ecology (3cr) <u>3 credits</u> : Energy Markets & Policy Seminar: Economics for ENR Natural Resource Planning & Economics Community Economic Analysis Economics of Range Resources

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REWM 4330	Rangeland Ecosystem Assessmnt/Monitor (4cr)
REWM 4530	Seminar (1cr; max of 2cr total)
REWM 4700	Wildland Watershed Management (3cr)
REWM 4750	Wildlife Habitat Restoration Ecology (3cr)
REWM 4830	Ecological Applications for Wildland Mgt (3cr)
REWM 4850	Rangeland Vegetation Management Techs (3cr)
SOIL 4100	Soil Physics (3cr)
SOIL 4105	Soil Physics Laboratory (2cr)
SOIL 4120	Genesis Morphology&Classifictn of Soils (4cr)
SOIL 4130	Chemistry of the Soil Environment (3cr)
SOIL 4140	Soil Microbiology (4cr)
SOIL 4150	Forest & Range Soils (3cr)
SOIL 4160	Soil Fertility & Fertilizers (3cr)

Block 5: Credits Needed to earn 120 credits

Once all course requirements are taken to satisfy program requirements, some students may need to take additional credits to earn a total of 120 credits. The number of credits needed (if any) will vary by student, and students should select courses to ensure that they satisfy residency requirements and upper division credit requirements.

EFFECTIVE DATE:

This document is in effect as of July 14, 2021; it reflects the UW curriculum as of that date. Any changes to the UW curriculum or the WYCC course equivalencies will require this document to be updated.