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 Professional Land Management.

Block 1: University Studies Program (USP)

This block requires students to complete 30 credits from the University Studies Program (USP) requirements:
- **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.
- **USP:** All students must successfully complete:
  - A course that satisfies the statutory requirement for US/WY Government & Constitutions.
- **USP:** Students transferring with a qualifying earned associate degree earned after completing high school will have completed the lower division general education requirements included in the USP, with the understanding that all students must successfully complete:
  - **USP: First Year Seminar (FYS):** Students transferring with a qualifying earned associate degree earned after completing high school will have completed the lower division general education requirements included in the USP, with the understanding that all students must successfully complete:
  - **USP: US & Wyoming Constitutions (V):** 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 (C):** This upper division writing requirement is satisfied by completing the required course (ERS 4135 – Advanced Oil & Gas Law) with a minimum grade of C.

Block 2: Pre-Transfer Prerequisite Courses

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:
- **USP: First Year Seminar (FYS):** Students transferring with a qualifying earned associate degree earned after completing high school will have completed the lower division general education requirements included in the USP, with the understanding that all students must successfully complete:
- **USP: US & Wyoming Constitutions (V):** 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 (C):** This upper division writing requirement is satisfied by completing the required course (ERS 4135 – Advanced Oil & Gas Law) with a minimum grade of C.

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.

**UW Courses (Required)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Casper College</th>
<th>Central Wyoming College</th>
<th>Eastern Wyoming College</th>
<th>Laramie County Community College</th>
<th>Northern Wyoming Community College District</th>
<th>Northwest College</th>
<th>Western Wyoming Community College</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 2050 Fundamentals of Statistics (4cr) or STAT 2070 Intro Statistics for Social Sciences (4cr)</td>
<td>STAT 2050 or 2070</td>
<td>STAT 2050 or 2070</td>
<td>STAT 2050 or 2070</td>
<td>STAT 2050 or 2070</td>
<td>STAT 2050 or 2070</td>
<td>STAT 2050 or 2070</td>
<td>STAT 2050 or 2070</td>
</tr>
<tr>
<td>MATH 2200 Calculus I (4cr) or MATH 2350 Business Calculus (4cr)</td>
<td>MATH 2200 or 2350</td>
<td>MATH 2200 or 2350</td>
<td>MATH 2200 or 2350</td>
<td>MATH 2200 or 2350</td>
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</tr>
<tr>
<td>AGEC 1020 Principles of Microeconomics (3cr) or ECON 1020 Principles of Microeconomics (3cr)</td>
<td>ECON 1020</td>
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<th>Western Wyoming Community College</th>
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</thead>
<tbody>
<tr>
<td>ENR/ERS 1000 Energy &amp; Society (3cr)</td>
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<td>ECONS1000</td>
</tr>
<tr>
<td>ERS/ECON 1300 Oil: Business, Culture, Power (3cr)</td>
<td>MATH 2205 Calculus II (4cr) or MATH 2355 Math Applications for Business (4cr)</td>
<td>MATH 2205 or 2355</td>
<td>MATH 2205 or 2355</td>
<td>MATH 2205 or 2355</td>
<td>MATH 2205 or 2355</td>
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<td>MATH 2205 or 2355</td>
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<tr>
<td>GEOL 1100 Physical Geology (4cr)</td>
<td>GEOL1100</td>
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<tr>
<td>ERS 2010 Intro to Land Management (2cr)</td>
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<tr>
<td>GIST 1200 Geospatial Foundations (3cr)</td>
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<tr>
<td>GIST 2310 Intro Geographic Info Systems (3cr)</td>
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</table>

Please click here for more information about USP.
## 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: [http://www.uwyo.edu/transfer/_files/documents/transfer-policies/covid19-transfer-policy-statement.pdf](http://www.uwyo.edu/transfer/_files/documents/transfer-policies/covid19-transfer-policy-statement.pdf))
- 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

<table>
<thead>
<tr>
<th>UW Course/Category</th>
<th>UW Course Title</th>
<th>Notes/List of Course Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSCI 4260</td>
<td>Project Management (3cr)</td>
<td></td>
</tr>
<tr>
<td>MGT 3210</td>
<td>Management and Organization (3cr)</td>
<td>May be able to transfer; consult your academic adviser</td>
</tr>
<tr>
<td>ERS 4010</td>
<td>Petroleum Exploration and Production (3cr)</td>
<td></td>
</tr>
<tr>
<td>ERS 4100</td>
<td>Property I (3cr)</td>
<td></td>
</tr>
<tr>
<td>ERS 4105</td>
<td>Property II (3cr)</td>
<td></td>
</tr>
<tr>
<td>ERS 4110</td>
<td>Law of Contracts (3cr)</td>
<td></td>
</tr>
<tr>
<td>ERS 4120</td>
<td>Federal Public Land Law (3cr)</td>
<td></td>
</tr>
<tr>
<td>ERS 4130</td>
<td>Oil and Gas Law (3cr)</td>
<td></td>
</tr>
<tr>
<td>ERS 4135</td>
<td>Advanced Oil and Gas Law (3cr)</td>
<td>Minimum grade C Satisfies Upper Division Writing (USP: C3)</td>
</tr>
<tr>
<td>ERS 4985</td>
<td>Seminar (1-3cr)</td>
<td>Students should confirm the number of credits needed to satisfy degree requirements with their academic adviser prior to registering.</td>
</tr>
</tbody>
</table>

This section are the requirements that allow students to choose between 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 Electives in the major).

#### Select one:
- 3 credits: Environmental Politics
- Federal Land Politics
- ENR Law & Policy

#### Data Analysis Elective

Select one:
- 3 credits (minimum):
  - 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)

#### Economics Elective

Select one:
- 3 credits:
  - Energy Markets & Policy
  - Seminar: Economics for ENR (1-3cr)
  - Natural Resource Planning & Economics
  - Community Economic Analysis (USP: H)
  - Economics of Range Resources
  - Water Resource Economics

ECON/ERS 3400 preferred
### Ethics Elective
Select one:
- ERS 2000 or MGT 3110 or ENR/PHIL 2330

3 credits:
- Ethics & Leadership
- Business Ethics
- Environmental Ethics

### Negotiation Elective
Select one:
- AGEC/ENR 4450 or AGEC/ENR 4550

3 credits:
- Negotiation
- Negotiation Analysis

### General Electives
Select from:
- DSCI 3210
- ECON 1010
- ENR 1200
- ENR 2300
- ENR 3450
- ENR 3700
- ENR 3900
- ENR 4040
- ENR 4600
- ENR 4890
- ENR 4960
- ENR 4970
- ENR 4985
- ERS 1650
- ERS 4960
- ERS 4965
- ERS 4970
- ERS 4975
- ERS 4985
- ERS 4990
- FIN 3310
- FIN 3520
- GEOG 3150
- GEOG 3450
- GEOG 3480
- GEOG 3550
- GEOG 4040
- GEOG 4111
- GEOG 4210
- GEOG 4211
- GEOL 1600
- GEOL 1650
- GEOL 3600
- GEOL 3650
- GEOL 4210
- GIST 2160
- IMGT 1400
- LIFE 3410
- LS 2100
- MGT 3210
- MGT 3410
- MGT 3420
- MGT 4340
- MGT 4350
- MGT 4360
- MKT 3210
- MKT 4600
- PHIL 2420
- PLNT 1150
- POLS 4051

21 credits:
- Intro to Operations & Supply Chain Mgt (3cr)
- Principles of Macroeconomics (3cr)
- Environment (4cr)
- Foundations of Sustainability (3cr)
- Weather & Climate (3cr)
- Wyoming Conservation Corps (1cr)
- Seminar: Water Resources (1cr)
- Conservation Natural Resources (3cr)
- Campus Sustainability (3cr)
- ENR Topics (1-6cr; max of 12cr total)
- Field Studies (1-6cr; max of 12cr total)
- ENR Internship (1-6cr; max of 12cr total)
- Seminar (1-3cr)
- Water-Energy-Climate Nexus (3cr)
- Energy Field Studies (1cr)
- Undergraduate Research (1-3cr)
- Internship (1-3cr)
- Global Experience (2-4cr)
- Seminar (1-3cr)
- Topics (1-6cr)
- Investment Management (3cr)
- Financial Markets (3cr)
- Survey of Remote Sensing Applications (3cr)
- Weather and Climate (3cr)
- Environmental Change (3cr)
- Natural Hazards and Society (3cr)
- Conservation of Natural Resources (3cr)
- Remote Sensing of the Environment (4cr)
- Advanced Geographic Info Systems (4cr)
- Adv Remote Sensing of the Environment (4cr)
- Global Sustainability/Managing Resources (4cr)
- Water-Energy-Climate Nexus (3cr)
- Earth and Mineral Resources (4cr)
- Energy for Society: Address Grand Chall (4cr)
- Topics in Geophysics (1-3cr; max of 9cr total)
- Survey of Remote Sensing Applications (3cr)
- Introduction to Business Analytics (3cr)
- Intro to Field Ecology (2cr)
- Records Research for Surveyors (3cr)
- Management and Organization (3cr)
- Human Resources Management (3cr)
- Organizational Behavior and Leadership (3cr)
- Law for Managers (3cr)
- Commercial Law (3cr)
- Business Law for Entrepreneurs (3cr)
- Introduction to Marketing (3cr)
- Campus Sustainability (3cr)
- Critical Thinking (3cr)
- Pesticide Safety & Application (1cr)
- Environmental Politics (3cr)

The number of General Elective credits required for the concentrations are different. The PLM Concentration requires 21 credits of General Electives; a minimum of 9 of these 21 credits must be Upper Division (3000- or 4000-level). Courses cannot be applied to more than one requirement.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 4052</td>
<td>Federal Land Politics (3cr)</td>
</tr>
<tr>
<td>REWM 4210</td>
<td>Land Reclamation Seminar (1cr)</td>
</tr>
<tr>
<td>REWM 4285</td>
<td>Wildland Hydrology (4cr)</td>
</tr>
<tr>
<td>REWM 4330</td>
<td>Rangeland Ecosystem Assessment/Monitor (4cr)</td>
</tr>
<tr>
<td>REWM 4530</td>
<td>Seminar (1cr; max of 2cr total)</td>
</tr>
<tr>
<td>REWM 4700</td>
<td>Wildland Watershed Management (3cr)</td>
</tr>
<tr>
<td>REWM 4750</td>
<td>Wildlife Habitat Restoration Ecology (3cr)</td>
</tr>
<tr>
<td>REWM 4830</td>
<td>Ecological Applications for Wildland Mgt (3cr)</td>
</tr>
<tr>
<td>REWM 4850</td>
<td>Rangeland Vegetation Management Techs (3cr)</td>
</tr>
<tr>
<td>SOIL 4100</td>
<td>Soil Physics (3cr)</td>
</tr>
<tr>
<td>SOIL 4105</td>
<td>Soil Physics Laboratory (2cr)</td>
</tr>
<tr>
<td>SOIL 4120</td>
<td>Genesis Morphology &amp; Classification of Soils (4cr)</td>
</tr>
<tr>
<td>SOIL 4130</td>
<td>Chemistry of the Soil Environment (3cr)</td>
</tr>
<tr>
<td>SOIL 4140</td>
<td>Soil Microbiology (4cr)</td>
</tr>
<tr>
<td>SOIL 4150</td>
<td>Forest &amp; Range Soils (3cr)</td>
</tr>
<tr>
<td>SOIL 4160</td>
<td>Soil Fertility &amp; Fertilizers (3cr)</td>
</tr>
</tbody>
</table>

**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.