

Energy Resource Management & Development, BS

Professional Land (Landman) Management Concentration



University of Wyoming, 2016-17

Freshman Fall Semester				Hrs	Min Grade	Notes
USP First-Year Seminar				3	C	FY
USP US & Wyoming Constitutions				3	C	V; recommend ECON 1200 (Economics, Law, and Government).
ENGL	1010	College Composition and Rhetoric		3	C	C1
GEOL	1100	Physical Geology		4	C	PN
MATH	2350	Business Calculus *		4	C	Q; can substitute MATH 2200 (Calculus I) **.
Credit hours subtotal:				<u>17</u>		

Freshman Spring Semester				Hrs	Min Grade	Notes
ACCT	1010	Principles of Accounting I		3	C	
ECON	1020	Principles of Microeconomics		3	C	H; cross listed with AGECE 1020.
ERS	1300	Oil: Business, Culture, and Power		3	C	Cross listed with ECON 1300; offered spring semester.
ERS	2500	Communication Across Topics in Energy		3	C	C2
MATH	2355	Mathematical Applications for Business		4	C	Can substitute MATH 2205 (Calculus II).
Credit hours subtotal:				<u>16</u>		

Sophomore Fall Semester				Hrs	Min Grade	Notes
USP Physical & Natural World				4	C	PN; take CHEM 1000 (Intro Chem) or CHEM 1020 (Gen Chem I) if REWM 4710 (Watershed Water Quality Management) will be taken as an elective.
ACCT	1020	Principles of Accounting II		3	C	
ERS	4990	Ethics and Leadership		3	C	
STAT	2050	Fundamentals of Statistics		4	C	Can substitute STAT 2070 (Intro Statistics for the Social Sciences).
Business or Engineering Elective ***				3		
Credit hours subtotal:				<u>17</u>		

Sophomore Spring Semester				Hrs	Min Grade	Notes
USP Human Culture				3	C	H
ERS	4985	Sem: Professional Landman Development		2	C	Offered spring semester.
GEOG	2150	Foundations of GIS & Technology		4	C	
MGT	1040	Legal Environment of Business		3	C	
MGT	3210	Management and Organization		3	C	
MKT	3210	Introduction to Marketing		3	C	
Credit hours subtotal:				<u>18</u>		

This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation, and consult with an academic advisor. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the *University Catalog* and consult with their academic advisor to plan accordingly.

University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

Energy Resource Management and Development Program Notes:

This degree is a collaborative effort between the School of Energy Resources and the Colleges of Arts and Sciences, Agriculture and Natural Resources, Business, Engineering and Applied Science, and Law, as well as with the Haub School of Environment and Natural Resources. • Academic plans and course schedules may need to be altered if Math Placement scores require Math 0900, 0921, 0925, 1400, 1405, or 1450. • Students must earn a letter grade of C or better in each course and a cumulative gpa of 2.0 or better to graduate. • Students are strongly encouraged to complete an industry internship (a minimum gpa of 3.0 is typically required). Opportunities are also available for undergraduate research, a study abroad experience, or a summer field trip. Please consult with an academic advisor. • Students majoring in Energy Resource Management and Development can earn a double major by completing courses required for the Environment and Natural Resources program. Or students looking to create a focus for their coursework can add a minor to the program. Please consult with an academic advisor about these options.

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Junior Fall Semester

			Hrs	Min Grade	Notes
AGEC	3400	Agricultural Law	3	C	Must take in fall semester due to course content.
AGEC	4550	Negotiation Analysis	3	C	Cross listed with ENR 4550; offered fall semester.
ENR	4750	ENR Law and Policy	3	C	Permission of instructor required; offered fall semester.
GEOG	4200	Introduction to Geographic Information Systems	4	C	Offered fall semester.
		Elective ****	3	C	
Credit hours subtotal:			16		

Junior Spring Semester

			Hrs	Min Grade	Notes
AGEC	4450	Negotiation	3	C	Cross listed with ENR 4450; offered spring semester.
DSCI	4260	Project Management	3	C	Offered spring semester.
ERS	4010	Petroleum Exploration and Production	3	C	Offered spring semester.
FIN	3250	Corporate Finance	3	C	
		Elective ****	3	C	
Credit hours subtotal:			15		

Senior Fall Semester

			Hrs	Min Grade	Notes
ENR	4500	Risk Analysis	3	C	
ENR	4501	Risk Analysis Computer Laboratory	1	C	Requires concurrent enrollment in ENR 4500.
LAW	6120	Property Law I ****	3	C	Offered fall semester.
LAW	6170	Introduction to Law I ****	1	C	Offered fall semester.
LAW	6790	Oil and Gas ****	3	C	Offered fall semester.
LAW	6800	Public Lands ****	3	C	Offered fall semester.
Credit hours subtotal:			14		

Senior Spring Semester

			Hrs	Min Grade	Notes
ERS	4900	Energy Resource Management Capstone	3	C	C3; offered spring semester.
ERS	4985	Sem: Professional Landman Dev	1	C	Offered spring semester
LAW	6220	Property Law II ****	2	C	Offered spring semester.
LAW	6915	Advanced Oil & Gas Law or Deals ****	3	C	Offered spring semester
		Economics Elective *****	3	C	Consult with an academic advisor for courses from an approved list.
		Elective ****	3	C	Consult with an academic advisor for courses from an approved list.
Credit hours subtotal:			15		

TOTAL CREDIT HOURS: 128

Energy Resource Management and Development Program Notes con't:

* Requires MATH ACT \geq 26, MATH SAT \geq 600, Math Placement Exam \geq 4, or \geq C in MATH 1400. (University Standard)

** Requires MATH ACT \geq 27, MATH SAT \geq 600, Math Placement Exam \geq 5, or \geq C in MATH 1405 or 1450. (University Standard)

*** Recommend ES 1060 (Problem Solving) if MATH 2200 is taken or IMGT 2400 (Introduction to Information Management) if MATH 2355 is taken. •
Can also take an upper division elective if MATH 2200 is taken.

**** Approved electives include: ERS 3010 (Air Quality Management), ERS 4960 (Energy Field Studies), ERS 4990 (Topics in Energy Resource Development & Management), GEOG 3150 (Survey of Remote Sensing Applications), GEOG 4111 (Remote Sensing of the Environment), GEOG 4210 (Advanced Geographic Information Systems), GEOG 4330 (Land Use Planning), GEOG 4750 (Public Land Management), IMGT 3400 (Database Management Systems), LAW 6735 (Native American Natural Resource Law) ****, LAW 6780 (Mining Law) ****, LS 2100 (Records Research for Surveyors), MGT 3410 (Human Resource Management), MGT 4340 (Law for Managers), MGT 4350 (Commercial Law), MGT 4445 (Managing Risk & Knowledge), and MGT 4470 (Negotiations & Conflict Resolution).

***** For Law classes, senior standing and being within two (2) semesters of graduation is required to enroll.

***** Approved Economics electives include: AGECE 3750 (Natural Resource Planning & Economics), AGECE 4600 (Community Economic Analysis), AGECE 4660 (Community & Economic Development), AGECE 4710 (Natural Resource Law & Policy), AGECE 4720 (Water Resource Economics), and ECON 4420 (Seminar: Economics for ENR).