M.S. in Land Resources and Environmental Sciences Online

Overview

The online Professional M.S. program in Land Resources and Environmental Sciences is designed to provide outstanding graduate training opportunities across a substantial breadth of disciplinary interests. Programs are specifically adapted to each graduate student and often address processes at multiple scales through well-integrated, multi-disciplinary efforts. Student projects are directed toward improving understanding of principles and processes important to land resources and environmental sciences, with opportunities for direct ties to management.

Understanding is developed through targeted advanced coursework tailored to the student. The capstone professional papers may involve, but are not limited to, topics such as watershed hydrology, integrated management of invasive plant species, soil nutrient management, bioremediation, land reclamation, restoration ecology, fluvial systems ecology and restoration, riparian ecology, microbial ecology of natural systems, chemical fate and transport, water quality, crop diversification, precision agriculture, environmental risk assessment, remote sensing and GIS applications, and climate variability. To learn more about this online program, see the department website: https://landresources.montana.edu/grad/online/index.html. (https://landresources.montana.edu/grad/online/)

Curriculum

The flexible and interdisciplinary nature of this program allows you to select online courses to fit your professional goals and interests.

Elective Courses (27 credits will be from this list of courses)

AGSC 401	Integrated Pest Management	3
AGSC 502	Enhancing Women's Roles in Agriculture and Natural Resources	2
ENTO 510	Insect Ecology	3
LRES 505	Concepts of GIS in Environmental Science	3
LRES 507	Environmental Risk Assessment	3
LRES 510	Biodiversity Survey and Monitoring Methods	3
LRES 515	Microbial Ecology	3
LRES 530	Natural Resource Law	3
LRES 531	Applied Watershed Hydrology	3
LRES 532	Soil Ecosystems and Processes	3
LRES 533	Wetland Ecology & Management	3
LRES 534	Environmental Data Analysis	3
LRES 536	Ecology of Invasive Plants II	1
LRES 539	Ecological Restoration and Management	3
LRES 540	Ecology Plants & Community	3
LRES 544	Water Quality	3
LRES 546	Quant Methods Environmental	3
LRES 562	Land Rehab Field Problem	2
LRES 564	Fundamentals of Environmental Monitoring	2
LRES 566	Chemical Ecology	3
LRES 569	Ecol of Invasive Plants in GYE	2
LRES 571	Landscape & Ecosys Ecology	3
LRES 573	Remote Sensing Env Sci	3
LRES 592	Independent Study	3
MB 527	Toxicology	3

***LRES 592 may not be used as a course on students program of study.

Required Course - all students must take the 3 credit professional paper course at the end of your program of study

LRES 575	Prof Paper & Project	3

For More Information

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