RANGELAND ECOLOGY AND MANAGEMENT GRADUATE MAJOR (MS, PHD)

Graduate Areas of Concentration

Agroforestry, ecology of rangelands, physiology of range plants, range improvement, range nutrition, restoration ecology, riparian zone management, watershed management

The Department of Animal and Rangeland Sciences offers Master of Science and Doctor of Philosophy degrees.

The program integrates plant, soil, and animal sciences to prepare degree candidates for leadership in this professional field. Under the guidance of the rangeland faculty, graduate students study rangeland ecology, physiology of rangeland plants, rangeland nutrition, rangeland improvements, watershed management, restoration ecology, agroforestry, water quality, and riparian zone management. Through the Department of Animal and Rangeland Sciences, range management graduate students have access to greenhouse, field plot, pasture, range, and animal facilities on campus, and at the two Eastern Oregon Agricultural Research Center stations at Union and Burns.

Graduate students in rangeland ecology and management may select courses in complementary areas, including agricultural and resource economics, fisheries and wildlife, botany, soils, statistics, biology forestry, crop science, and animal science. The selection of these complementary areas depends on the interest of the students, their aptitude, and the thesis topic they have chosen. Minors are commonly elected in botany, soils, forage crops, animal nutrition, fisheries and wildlife, agricultural and resource economics, or in an integrated program of study.

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