

ECOLOGY, MASTER OF SCIENCE

College of Agricultural & Environmental Sciences

Brian Gaylord, Ph.D., Chairperson of the Group

Graduate Study

The Graduate Group in Ecology offers M.S. and Ph.D. degrees. Ecology is a science that integrates numerous fields of study to attain deep understanding of natural and societal influences on the distribution, abundances, behaviors, traits, and ecosystem functions of organisms. In order to accommodate varied student interests, the Group has developed several 'areas of emphasis' with specialized programs of study: agricultural ecology, conservation ecology, ecological genomics and genetics, ecosystems and landscape ecology, ecotoxicology and physiological ecology, environmental policy and human ecology, integrative ecology, marine ecology, and restoration ecology. For further details, contact the Group office.

Preparation

Appropriate preparation is undergraduate work in any of the biological, social or behavioral, and physical sciences, mathematics or engineering. Applicants will normally be expected to have completed the following courses during the undergraduate years or shortly after matriculating: one course each in introductory biology, general chemistry, physical science, calculus, statistics; and an upper division introduction to ecology course and an upper division introduction to evolution class. Students that choose the environmental policy and human ecology area of emphasis may also substitute one quantitative course in social science such as micro- or macro-economics for one chemistry or physics requirement.