

# MAJOR IN BIOLOGICAL SCIENCE, BOTANY CONCENTRATION

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Botany is the general study of plants and plant-like organisms from microscopic algae to giant redwoods, from mushrooming fungi to flowering angiosperms. Plant anatomy, how plants grow and develop, and how they survive and interrelate within their environments are topics of study. For students who like the outdoors, a career in plant ecology, taxonomy, or forestry might be appealing. Students attracted to the beauty and design of the microscopic world might enjoy a career in plant anatomy or plant developmental biology. Those interested in chemistry might enjoy plant biochemistry, molecular biology, or plant biotechnology. Those intrigued by plant diseases might become plant pathologists and the mathematically oriented might explore systems ecology, genetics, or plant biotechnology.

The botany curriculum begins with a solid foundation in mathematics, the biological sciences, chemistry, organic chemistry, physics, evolution, and genetics. Botany emphasizing terrestrial plant studies including plant systematics, anatomy, and ecology, biochemistry, and earth sciences round out the core. Botany students also take liberal arts and communications courses to give breadth to their education.

Department of Biology Undergraduate Programs (<https://www.biology.colostate.edu/undergraduate-students/>)