

# BOTANY, MS

## LEARNING OUTCOMES

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1. Acquire and demonstrate fundamental understanding of the basic properties of plant life from the subcellular to the ecosystem level of organization.
2. Use critical elements of the methodological or theoretical framework in a specialized botanical subdiscipline to develop hypotheses, acquire scientific information, and interpret results in the context of the historical scientific literature.
3. Develop the skills of communicating scientific information, especially in written form.
4. Engage in the critical evaluation of botanical scientific data and its interpretation.
5. Recognize and apply ethical conduct in the collection, analysis, and presentation of scientific data.
6. Develop the skills essential to critical debate, discussion, and exchange of scientific information among peers and audiences of diverse intellectual and personal backgrounds.