

## Learning Outcomes – Department of Horticulture, Undergraduate Courses (HRT)

Based on Pritts, M. and T. Park. 2013. Proposed learning outcomes for four-year horticulture programs in the United States. HortTechnology 23(2): 237-240.

Learning Outcome
1. Apply concepts of horticulture science to select, manage, and improve plants and their products
2. Demonstrate competence with laboratory and/or field-based technologies used in modern horticulture
3. Anticipate and recognize problems, identify causes of these problems, quantify potential impacts, analyze options, identify viable solutions, and evaluate actions and consequences of treatments and interventions
4. Describe social, spiritual, and cultural importance of plants to historical and contemporary communities of people
5. Use multiple sources, including current and older literature, to find, evaluate, organize, and manage information related to horticultural systems
6. Identifies and applies, as appropriate, quantitative methods for defining and responding to horticultural problems.
7. Understand how global issues including climate change, energy use, water availability, and/or food safety impact sustainability of horticultural systems locally, nationally, and globally
8. Apply principles of accounting, business law, labor, marketing, and personnel management to a horticultural business and contribute to developing various components of a business plan
9. Demonstrate professionalism and proficiency in skills that relate to horticulture through leadership and the ability to collaborate and work in teams
10. Develop thoughtful, clear, and consistent perspectives on ethical and moral issues related to horticulture
11. Communicate effectively with various audiences using oral, written, and visual presentation skills, and contemporary networking/social media technologies
12. Quantify economic importance of plants in managed ecosystems and the impact of horticultural crops in food systems