

## Horticulture Undergraduate Student Learning Outcomes

After completing the undergraduate horticulture curriculum, graduates of the horticulture program will be expected to:

1. Demonstrate knowledge and understanding in:
  - The breadth and depth of the profession of horticulture
  - Basic horticultural science terminology
  - Basic horticulture biology: taxonomy, anatomy, morphology, and physiology
  - The characteristics of the environment and their influence on plant growth and development
  - Current applications of horticultural principles and practices: propagation, pest management, production, maintenance, and business practices
2. Solve problems and think critically using new knowledge and technological developments in horticulture.
  - Students will increase their ability to solve problems individually and in a group setting through the process of: identifying and understanding the problem, being able to obtain background knowledge, generating possible solutions, identifying and evaluating constraints, choosing a solution, functioning within a problem-solving group, evaluating the process, and exhibiting problem-solving dispositions.
  - Students will increase their critical thinking skills through the process of constructing the situation and supporting the reasoning behind a solution.
3. Communicate effectively in a variety of formats. Effective communication will include awareness of audience, organization, depth of thought; written communication will be accurate, thorough, and grammatically correct.
4. Demonstrate an awareness of diversity within the profession of horticulture and the interplay between horticulture and society in a diverse world through understanding the breadth of diversity (gender, race, culture, religion, etc.); understanding the value of diversity; and knowing how to successfully integrate diverse thought, etc. into the work environment.