Program Learning Goals & Objectives

**Sustainable Plant Systems**

**Be competent in critical thinking and research**
- Acquire information and/or data
- Analyze information and/or data
- Interpret information and/or data

**Understand the concept of sustainability and be able to use sustainable practices in horticulture and crop science**
- Understand the concept of sustainability
- Apply the concept of sustainability to a managed plant ecosystem

**Have the ability to integrate the fundamentals of physical and biological sciences with the principles of plant science to develop and maintain sustainable plant systems**
- Calculate discipline-related quantitative measurements
- Assess the effect of environmental conditions on plant grows

**Be able to disseminate information effectively through all forms of communication (oral, electronic, written, visual, etc.) at a professional level**
- Prepare information and/or data for a written report
- Prepare information and/or data for a presentation
- Develop projects utilizing digital communication technologies

**Apply the fundamentals of management to horticulture and crop science enterprises**
- Establish goals
- Appraise strategies for accomplishing established goals
- Apply best practices for horticulture and crop enterprises

**Have the appreciation for life-long learning through self-awareness and evaluation, seeking knowledge, and using evaluation and synthesizing skills**
- Participate in extracurricular educational opportunities
- Critique one’s own performance through self-evaluations

**Have developed an appreciation of and respect for diversity**
- Demonstrate knowledge or range of cultures, values, and political perspectives relevant for living in a global community

**Act in a responsible and ethical way**
- Properly credit sources of information
- Perform effectively as a contributing team member
- Demonstrate a positive work ethic

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Horticulture and Crop Science

**THE OHIO STATE UNIVERSITY**

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