Sustainable plant systems is broken down into four areas of specialization: agronomy, horticulture, landscape design and management, and turfgrass science. As the population continues to expand, there is an increasing need to provide more food and plant-based products while reducing our reliance on inputs and improving the environment. Each of these disciplines play a special role in providing the world with plants for food, pleasure and recreation, and environmental improvement in a sustainable way.¹

**Career Areas/Job Titles:**

**Agronomy Specialization**
- Greenhouse Manager-Edible and Ornamental Crops
- Nursery Manager
- Plant Breeder/Geneticist
- Horticulturist
- Curator for Plant Collections
- Horticulture Extension Agent
- Plant Scientist/Educator

**Horticulture Specialization**
- Vegetable Grower, including Hydroponics
- Orchardist
- Greenhouse Manager-Edible and Ornamental Crops
- Nursery Manager
- Plant Breeder/Geneticist
- Horticulturist
- Curator for Plant Collections
- Horticulture Extension Agent
- Plant Scientist/Educator

**Landscape Design and Management Specialization**
- Landscape Design
- Landscape Installation and Management Garden Center Manager

**Turfgrass Science Specialization**
- Athletic/Sports Field Manager
- Golf Course Superintendent
- Lawn Care Specialist
- Sod Producer
- Turf Product Sales Manager
- Turf Product Developer
- Plan Scientist/Educator

**Transferable Skills:**

- Biology & Plant Science Expertise
- Math and Chemistry Foundation
- Plant Growing Ability
- Analytical/Critical Thinking
- Data Analysis
- Judgment & Decision Making
- Quantitative Reasoning
- Communication Skills
- Use Technology Effectively
- Diversity Appreciation
- Social Perceptiveness
- Teamwork
- Teaching/Instructing Others
- Provide/Respond to Feedback
- Adaptability/Flexibility
- Managing Time/Stress

*Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.

*This is not an extensive list of transferable skills. See larger list of skills you might develop here: [http://ccss.osu.edu](http://ccss.osu.edu)

**Professional Links:**

- American Society of Agronomy: [https://www.agronomy.org/](https://www.agronomy.org/)
- Professional Landcare Network (PLANET): [https://www.landcarenetwork.org](https://www.landcarenetwork.org)

¹What Can I Do With This Ohio State Major?