

Bachelor of Science

Sustainable Plant Systems

College of Food, Agricultural, and Environmental Science

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

Plant Breeder/Geneticist
County Extension Agent
Crop Consultant
Farm Owner/Manager

Feed Sales Agronomist
Seed Sales Representative
Fertilizer/Chemical Sales
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

Private & Public Garden Dir.
Interiorscaper
Ornamental Plant and
Gardening Expert
Plant Scientist/Educator

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

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

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

Multi-Tasking

Work Ethic and Initiative

Service Orientation

Identifying Problems

Creating Innovative Solutions

*Internship Required

*Minor Required

**This is not an extensive list of transferable skills. See larger list of skills you might develop here:*

<http://ccss.osu.edu>

Professional Links:

American Society for Horticultural Science: <http://www.ashs.org/>

American Society of Agronomy: <https://www.agronomy.org/>

Professional Landcare Network (PLANET): <https://www.landcarenetwork.org>

Sports Turf Management Managers Association: <http://www.stma.org/>

