



Integrated Plant Sciences

*The science of plant life...
from molecule to market.*

Washington State University's **Integrated Plant Sciences** degree program provides students with an exciting depth and breadth of knowledge that crosses a variety of plant science disciplines, including crop and soil sciences, horticulture and landscape architecture, entomology, plant pathology, and food science. Students may choose from seven majors highly sought by employers nation-wide.

**{ Feed the World.
Save the Planet. }**



Seven majors. Your choice.

AGRICULTURAL BIOTECHNOLOGY

The Agricultural Biotechnology major is designed for students interested in careers as laboratory or research technicians in plant biotechnology, breeding, genetics, entomology, plant pathology, molecular biology, or physiology, as well as for students preparing for advanced degrees in these areas. The program emphasizes the development and application of new technology to ensure a safe and abundant food and fiber supply. Students may find employment in industry, government, or university labs.

FIELD CROP MANAGEMENT

The Field Crop Management major is ideal for students interested in agronomy, crop production, and plant, soil, and pest management. Crop scientists (or agronomists) are involved in improving food, feed, and fiber production. Graduates qualify for careers in agribusiness, corporate and technical farm management, professional consulting, research, and sales positions.

FRUIT AND VEGETABLE MANAGEMENT

The Fruit and Vegetable Management major offers specialization in the science and practice of growing, harvesting, handling, storing, processing, and marketing tree fruits, small fruits, and vegetables. Students will learn the most efficient and sustainable management practices involving state-of-the-art production systems for the diverse fruit and vegetable crops produced in the Pacific Northwest and beyond. Graduates can look forward to careers as growers and farm managers, production field advisors, sales representatives in the horticultural services industry, managers of produce firms, and brokers and marketers of fruit and vegetable products.

LANDSCAPE DESIGN AND IMPLEMENTATION

Students interested in careers in designing and building residential, commercial, public, and institutional landscapes, using both plant material and non-living elements such as walls and fountains, should consider the Landscape Design and Implementation major. In addition to the IPS core courses, students will take courses in landscape architecture and horticulture. Through hands-on experience in course activities and participation in a professional practicum, students will learn to design, install, and maintain aesthetic outdoor environments that enrich people's lives.



NURSERY AND GREENHOUSE MANAGEMENT

The Nursery and Greenhouse Management major is a horticulture-based program that prepares students for opportunities in plant propagation, the production and marketing of potted crops, bedding plants, trees, shrubs, and cut flowers, and in landscape plant management. This is an exciting major for students interested in owning or managing a nursery or greenhouse, attending graduate school in horticulture, working for university extension offices and research greenhouses, maintaining landscapes and parks, or working as wholesale horticultural-product brokers. Students in this major are encouraged to gain hands-on experience and earn scholarships through participation in the Horticulture Club.

TURFGRASS MANAGEMENT

The Turfgrass Management major is geared toward students interested in pursuing careers as golf course managers, athletic field managers, or personnel managers in those venues. Students will take courses in turf management, turf production, plant pathology, entomology, soil fertility, and plant breeding to learn how to maintain healthy turfgrass systems. Additionally, students gain hands-on experience at the Palouse Ridge Golf Course, a new 18-hole championship golfing facility at the Pullman campus.

VITICULTURE AND ENOLOGY

The Viticulture and Enology major was created for students interested in wine-grape growing and winemaking, as well as contributing to critical research and development opportunities in the wine industry. This program offers the technical, scientific, and practical experience needed to gain the essential skills for producing high quality grapes and premium table wines. It prepares students for successful careers in the wine industry in Washington and beyond.