

Agricultural Science & Technology

Agricultural Science and Technology is an interdisciplinary major for students who want to learn about sustainable production agriculture in the context of cutting edge agricultural technology. Students can focus on agronomy, environmental horticulture or a specialized program in Agricultural Education.

Specializations

Agronomy

- Agronomy
- Crop Science
- Precision production agriculture
- Agriculture Ecology

Environmental Horticulture

- Greenhouse and Nurseries
- Sustainable orchard and vegetable crop production
- Viticulture
- Urban Agriculture

Interested in Agricultural Education?

Our program gives you two options to pursue Agricultural Education: 1) Double Major Path; or 2) Integrated Masters Path.

- Agricultural Science
- Agricultural Education (High School Ag Educator)
- Leaders in the agricultural community on a local and state level

Landscape Architecture

The Bachelor of Landscape Architecture (BLA) degree is accredited by the Landscape Architecture Accreditation Board (LAAB). The BLA degree meets the academic requirements for licensure. The studio-based design curriculum applies ecological principles to the integration of physical and social factors in the design and planning process.

Areas of Interest

Environmental Design & Planning

- Visualization
- Creating equitable, livable, and ecologically sustainable environments
- Site engineering

Ecological Restoration

- Application of ecological restoration, design, and planning principles
- Environmental/Landscape restoration
- Stormwater management
- Construction materials

Conservation & Stewardship

- Community engagement
- Leadership for protecting cultural and natural environments
- Urban Agriculture

Concentration: Plant Science (Plant Biology)

Plant Science is designed to prepare students for graduate or professional schools and/or a career in research. This area provides a strong foundation for postgraduate education in many aspects of plant biology including biotechnology, breeding, conservation, ecology, genomics or plant protection.

Areas of Interest

Plant Ecology/ Conservation

- Urban/Forest/Wetland Ecology
- Conservation biology
- Population biology
- Systematic taxonomy
- Agricultural Ecology
- Fungal Ecology

Plant Physiology & Development

- Plant physiology
- Plant genetics
- Plant adaptation to climate change
- Developmental biology
- Crop Improvement

Plant Pathology & Microbiology

- Mechanisms of plant pathogen interactions
- Virology
- Food safety, and food security
- Mycology

Management Programs in Plant Science

These programs place emphasis on the skills needed for leadership and management of organizations in the turf, design/build and urban forestry industries.

Concentrations

Areas of Interest

Landscape Management

- Landscape horticulture
- Landscape business management
- Landscape design/build
- Project management

Turf & Golf Course Management

- Turfgrass
- Sports turf
- Commercial turfgrass
- Parkland turfgrass

Urban Forestry

- Urban tree and forest management
- Greenspace tree canopy design and management
- Urban forest health