

# Find your place in the College of Agriculture and Natural Resources

## Majors Leading to the Bachelor of Science Degree

### **Agribusiness Management**

[www.aec.msu.edu/agecon](http://www.aec.msu.edu/agecon)

The Agribusiness Management major is designed to meet the needs of students who are interested in careers with agricultural input supply, agricultural production, commodity assembly and processing, and agricultural marketing organizations.

**Salary Range:\$27,000-\$45,000**

### **Agriscience**

[www.anrecs.msu.edu](http://www.anrecs.msu.edu)

This major provides a foundation for students seeking careers in the agricultural and natural resources industries. Some of the careers available to agriscience graduates include: organizing workshops and seminars; developing leadership programs for agribusiness and government agencies. The agriscience disciplinary major is available for teacher certification. An agriscience disciplinary minor and an environmental science minor are also available for teacher certification.

**Salary Range:\$25,000-\$45,000**

### **Agriculture and Natural Resources Communications**

[www.anrecs.msu.edu](http://www.anrecs.msu.edu)

The Agriculture and Natural Resources Communications major prepares students for careers in agriculture and natural resources journalism, advertising, public relations, broadcasting or marketing communications.

**Salary Range:\$25,000-\$35,000**

### **Animal Science**

[www.canr.msu.edu/dept/ans/index.html](http://www.canr.msu.edu/dept/ans/index.html)

Animal science graduates are employed in marketing, agribusiness, finance, manufacturing, or public relations related to animal agriculture.

**Salary Range:\$18,000-\$40,000**

### **Biosystems Engineering**

[www.eng.msu.edu/age](http://www.eng.msu.edu/age)

The biosystem is a complex life sustaining system. The land, water and air systems, interacting to produce food and support life on this planet, are all part of the biosystem. The biosystem includes food production and processing systems, natural resources, and the environment. A biosystems engineer must understand that every engineering action has a biological reaction.

**Salary Range:\$32,000-\$43,000**

### **Construction Management Program**

[www.canr.msu.edu/cm](http://www.canr.msu.edu/cm)

The program is designed to provide a student with a background in managerial, techno-logical, economic, social, political and environmental aspects of residential and commercial construction. Career opportunities include supervisory and managerial employment within contracting, development, and real estate organizations; material distribution systems; financial institutions and governmental agencies.

**Salary Range:\$35,000-\$54,000**

### **Crop and Soil Sciences**

[www.css.msu.edu](http://www.css.msu.edu)

The crop and soil sciences major is based upon knowledge and utilization of the biological and physical sciences to produce food and fiber of high quality on a competitive basis, to obtain increased nutrient-use efficiency, proper land use, increased plant adaptation to environmental and other stresses, decreased soil erosion, and decreased environmental pollution.

**Salary Range:\$20,000-\$36,000**

### **Entomology**

[www.ent.msu.edu](http://www.ent.msu.edu)

Courses are designed to give the student an understanding of the structure, classification, identification, function, biology, ecology, and management of beneficial and harmful insects, and the communities and ecosystems where they occur. Three concentrations are available within the undergraduate Entomology degree program: general entomology, economic plant protection, and natural ecosystem protection.

### **Environmental Soil Science**

[www.css.msu.edu](http://www.css.msu.edu)

The environmental soil science major provides specific emphasis in the areas of water pollution, waste disposal, pesticide accumulation in soils and other environmental concerns. There is an Advanced Study option for students who plan to pursue graduate studies.

**Salary Range: \$28,000-\$58,878**

### **Environmental Economics and Policy**

[www.aec.msu.edu/agecon](http://www.aec.msu.edu/agecon)

Public Resource Management prepares students for careers that require balancing environmental sustainability and economic development. The major prepares students for employment opportunities with state, federal and international government agencies, environmental interest groups, environmental consulting firms, and industry.

**Salary Range:\$25,000-\$38,000**

### **Environmental Studies and Applications**

[www.rd.msu.edu/index.html](http://www.rd.msu.edu/index.html)

Resource Development is a transdisciplinary, integrative department that focuses on the connections among natural, economic and human resources for the purpose of understanding balanced and sustainable development while respecting the cultural context within which development takes place.

The mission of the program is to educate a diverse assembly of practitioners who will work across disciplines and at many professional levels to bring knowledge to bear on problems associated with the human environment interface.

**Salary Range:\$22,500-\$34,000**

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### Fisheries and Wildlife

[www.fw.msu.edu](http://www.fw.msu.edu)

Majors in Fisheries and Wildlife are prepared for professional careers chiefly as fisheries and wildlife managers, biologists, naturalists, and applied ecologists. Others pursue related career opportunities as conservation officers, private consultants, or administrators with federal, state and private agencies concerned with environmental management. The curriculum provides a strong base in both the foundational and applied sciences of natural resources management.

**Salary Range: \$18,000-\$26,000**

### Forestry

[www.for.msu.edu/index.html](http://www.for.msu.edu/index.html)

Forestry is the science and art of managing the natural resources that occur on and in association with forest lands for the benefit of society. These resources include trees, plants, animals, soil, minerals, climate and related air and water. The practice of forestry means management for specific objectives, such as: timber production, recreational opportunities, wildlife habitat, forage, water regulation, preservation for scientific studies and special uses, or combinations of these uses. Foresters are employed in a variety of settings. Many choose careers with industry, working for large multinational forest products companies or for smaller producers of forest products.

**Salary Range: \$22,000-\$34,000**

### Food Science

[www.msu.edu/unit/fshn/](http://www.msu.edu/unit/fshn/)

Graduates with a bachelor of science degree in Food Science are employed by food and allied industries, federal and state governments and universities to work at the Interface between the production and delivery of food. The required courses stress food preservation and the application of scientific principles to control and enhance the flavor, color, texture, nutritive value and safety of foods.

**Salary Range: \$20,000-\$35,000**

### Food Industry Management

[www.aec.msu.edu/agecon](http://www.aec.msu.edu/agecon)

The Food Industry Management major is designed to meet the needs of students who are interested in careers in the food industry. Graduates of this major enter managerial positions with food wholesalers-distributors and retailers as well as sales, account management, and production supervision positions with food manufacturers. The program provides a supply chain perspective of managerial problems and opportunities confronting firms in the food industry, recognizes the increasing interdependence among such firms and focuses on creating consumer value.

**Salary Range: \$27,000-\$50,000**

### Horticulture [www.hrt.msu.edu](http://www.hrt.msu.edu)

Horticulture is the science and art concerned with the culture, marketing and utilization of high value, intensively cultivated plants. Horticultural crops are diverse, including annual and perennial species, food and ornamental plants, and plants grown outdoors or in controlled environments. Horticultural foods and food products, flowers and landscapes sustain and enrich our lives. The primary horticulture crop categories include floriculture (flowers), landscape horticulture (trees and shrubs), olericulture (vegetables) and pomology (fruits).

**Salary Range: \$24,000-\$50,000**

### Park, Recreation & Tourism Resources

[www.msu.edu/user/prtr](http://www.msu.edu/user/prtr)

This major prepares students for professional positions in park, recreation, tourism and leisure services. Persons who hold such positions plan, administer and manage programs, areas, facilities, and natural resources that are designed to meet people's leisure needs and to enhance the quality of people's lives. Students complete at least one interdisciplinary professional emphasis area that is designed to provide additional breadth and depth in the field.

**Salary Range: \$25,000-\$35,000**

### Plant Pathology

[www.plantpathology.msu.edu](http://www.plantpathology.msu.edu)

Plant-based agriculture in Michigan is one of the most diverse in the US and includes fruit, vegetables, turf, floriculture, woody ornamentals, trees, and field crops. Plant diseases, caused by fungi, bacteria, viruses, nematodes, and other factors are a limiting factor in nearly all of Michigan's plant production. Plant disease can impact Michigan's recreation and tourism industry by disruption of our natural ecosystems, parks, and recreational facilities. Through research, extension and education programs, plant pathologists work to develop cost effective and sustainable disease control measures.

**Salary Range: Varies**

### School of Packaging

[www.msu.edu/~sop/](http://www.msu.edu/~sop/)

Graduates of the School of Packaging are prepared for purchasing, production, quality control, packaging development, research, sales, marketing, testing, or technical service positions which may lead to management responsibilities in production, marketing, distribution, quality control and development. Graduates find employment in package user industries and in package supplier industries. Package user industries include most industrial, public, and transportation organizations, because some form of packaging is involved in the production and movement to market of nearly every item of consumption in today's economy.

**Salary Range: \$24,000-\$50,000**