



# Agriculture, Food & Natural Resources

- ▶ NATURAL RESOURCES SYSTEMS
- ▶ PLANT SYSTEMS
- ▶ POWER, STRUCTURAL & TECHNICAL SYSTEMS
- ▶ ARCHITECTURE & CONSTRUCTION
- ▶ AGRIBUSINESS SYSTEMS
- ▶ ANIMAL SYSTEMS
- ▶ ENVIRONMENTAL SERVICE SYSTEMS
- ▶ FOOD PRODUCTS & PROCESSING SYSTEMS

A career in agriculture, food, and natural resources requires certain skills and education depending on job requirements. Skills include promotion, processing, marketing, distribution, financing, and development of agricultural commodities including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

<b>Bachelor's Degree from Iowa Universities and Colleges</b>	<b>Sample Career</b>	<b>Salaries</b>
Environmental Studies	Environmental Engineering	\$76,050
Food Science	Health and Food Inspector	\$74,500
Animal Science	Animal Scientist	\$76,970

*\*Additional Bachelor's Degrees include: Agricultural and Life Sciences Education, Biology, Agricultural Biochemistry, Dairy Science, Agricultural Business, Environmental Science, Agricultural Engineering, Agricultural Studies, Agricultural Systems Technology, Horticulture, Agricultural and Society, Landscape Architecture, Agronomy, Nutritional Science, Animal Ecology, Veterinary Medicine*

<b>Kirkwood Associate's Degree</b>	<b>Sample Career</b>	<b>Salaries</b>
Agricultural Geospatial Technology	Mapping Technician	\$45,000
Agriculture Business	Crop Scouting	\$49,000
Agriculture Production Management	Agriculture Sales	\$33,000
Diesel Ag Technology	Heavy Diesel Equipment Technician	\$41,000
Diesel Truck Technology	Diesel Mechanic	\$40,000
Golf Course and Athletic Turfgrass Management	Grounds Manager	\$47,000
Veterinary Technology	Vet Tech	\$32,000
Humane Officer	Animal Control Officer	\$32,000
Landscape Construction and Design	Landscape Architect	\$54,900
Parks and Natural Resources	Gaming Officer	\$32,600
Water Environmental Technology	Water Treatment Operator	\$45,000



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<b>Kirkwood Diploma</b>	<b>Sample Career</b>	<b>Salaries</b>
Agriculture Production	Seed Production	\$35,000
Pet Grooming	Pet Groomer	\$27,000
Golf Course and Athletic Turfgrass Management	Grounds Maintenance	\$37,500
Veterinary Assistant	Vet Assistant	\$24,000
Animal Control Assistant	Animal Care Assistant	\$24,500
Landscape Construction and Design	Landscape Worker	\$27,700
Water Environmental Technology	Environmental Technician	\$31,000
Water Treatment Specialist	Water Treatment Specialist	\$31,000
Wastewater Specialist	Wastewater Operator	\$39,000
<b>Kirkwood Certificates</b>	<b>Sample Career</b>	<b>Salaries</b>
Agricultural Geospatial Technology	Farm Machinery Operator	\$35,200
Small Scale Food Production	Farm Laborer	\$27,700
<b>Kirkwood Career Academies</b>	<b>Sample Career</b>	<b>Salaries</b>
Agriculture Sciences	Field Technician	\$26,400
Water Environmental Technology	Water Operator	\$24,950



*\*Information provided by Emis National data and Kirkwood Community College Regional Talent Forecast Data—Nov. 2018*



## High School Courses

- Introduction to Agriculture, Food, and Natural Resources (AFNR)
- Principles of Agricultural Science-Animal
- Principles of Agricultural Science-Plant
- Food Science and Safety
- Intro to Business

- Biology
- Intro to Foods
- Advanced Foods
- Culinary Arts
- Restaurant Operations 101

## High School Related Activities and Clubs

- Internships
- Job Shadows
- FFA
- 4H