

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.



	Agricultural Communications	+Agricultural Educators Agricultural Journalists	+Agricultural Educators Al Technicians-	Agricultural Applications SoftwareDevelopers/	Cartographers &Commercial Fishermen	+Environmental Compliance Assurance	Ag Lenders Agricultural Chemical
Sample Career Specialities / Occupations	Specialists Agricultural Salespersons Bacteriologists Biochemists *Biochemists-Nutritionists- Dieticians Bioengineers Business-Educators *Cheese Makers Field Workers Food and Drug Inspectors Food Brokers-Food Inspectors Food Meal Supervisors Food Processors *Food Scientists *Meat Cutters-Meat Graders Meat Processors Toxicologists Meat Science Researchers Microbiologists Produce Buyers Quality Control Specialists Storage Supervisors	Aquaculturalists Bioinformatics Specialists Biotechnology Lab Technicians Botanists Commodity Marketing Specialists Crop Farm Managers Custom Hay/Silage Operators +Education & Extension Specialists Farmers Forest Geneticists Forestry Workers Golf Course Superintendents Grain Operations Superintendents Greenhouse Managers Growers Lumber Production Workers Nursery Workers Plant Breeders and Geneticists Plant Pathologists Ranchers Sales Representatives +Soil & Water Specialists Tree Surgeons	Aquaculturalists Animal Caretakers-Poultry Managers Animal Health Salespersons Animal Nutritionists Animal Scientists Dairy Producers Embryo Technologists Embryo Transfer Technicians Equine Managers- Veterinarians Feed Sales Representatives Feed Sales Specialists Fishermen/Hunters/ Trappers Livestock Buyers Livestock Geneticists Livestock Inspectors Livestock Producers Meat Science Researchers Pet Shop Operators +Reproductive Physiologists USDA Inspectors Uveterinary Assistants- Feedlot Specialists Vivarian Technicians +Wildlife Biologists	Programmers +Agricultural Engineers Agricultural Extension Engineering Specialists Communication Technicians Computer Service Technical Support Technicians Database Administrators Electronics Systems Technicians Equipment/Parts Manager Farm Equipment Mechanics GPS Technicians Heavy Equipment Maintenance Technicians Information Lab Specialist Machine Operators Machinists Recycling Technicians Remote Sensing Specialists Waste Water Treatment Plant Operators Welders	Pulp and Paper Managers +Range Technicians Soil Geology Technicians Vessel Crew Water Monitoring	Managers Environmental Sampling and Analysis Scientists/ Technicians *Hazardous Materials Handlers Hazardous Materials Technicians/Managers Health and Safety Sanitarians Pollution Prevention and Control Managers Pollution Prevention and Control Technicians Solid Waste Disposers/ Recyclers Solid Waste Managers Solid Waste Specialists Solid Waste Specialists Solid Waste Technicians Toxicologists Waste Water Managers Water Environment Managers Water Quality Managers	Dealers Agricultural Commodity Brokers Agricultural Economists Agricultural Products Buyers Animal Health Products Distributors Bankers/Loan Officers Chemical Sales Representatives Dairy Herd Supervisors (DHIA) Farm Investment Managers Farmers/Ranchers/Feedlot Operators Feed and Supply Store Managers Field Representatives for Banks, Insurance Companies or Government Programs Field Service Representatives Livestock Ranchers/ Breeders Livestock Sellers Produce Commission Agents Sales Managers \$Salespersons
Pathways	Food Products and Processing Systems (Food Processing and Preserving, Packaging, Distribution, Government Monitoring and Regulation)	Plant Systems (Agronomic, Horticulture, Forestry, Turf, Viticulture, Soils, etc.)	Animal Systems (Large Animals, Small Animals, Wildlife Animals, and Research Animals)	Power, Structural and Technical Systems (Power, Structures, Controls, Geospatial Technology, Computer Systems, Electronics Hydraulics, Pneumatics, etc.)	Natural Resources Systems (Habitat Conservation, Forest Products, Parks and Recreation, Mining, Environmental Services, Fisheries, Soil Conservation, etc.)	Environmental Service Systems (Pollution Prevention, Water and Air Quality, Hazardous Materials, Solid Waste Management, Health and Safety Sanitation, etc.)	Agribusiness Systems (Sales, Service, Farm and Ranch Management, Entrepreneurship, Economics, etc.)
Cluster K&S	Cluster Knowledge and S • Academic Foundations • Communications • Employability and Career Devel • Ethics and Legal Responsibiliti	• Information Techno • Leadership and Techno • Problem Solving a	amwork • System	High School – completed high school, high school with career and technology training, GED, on-the-job training, or apprenticeship Junior College – completed junior/community college, postsecondary technical, or career and technology training Baccalaureate Degree – completed four-year degree or more			