Agriculture, Food and Natural Resource Career Cluster Occupational Specialties and Related O*NET Occupations, Sequenced by Career Pathways and Occupational Specialty Codes

Occupational Specialty		Related SOC/O*NET Occupation	
Code	**Title**	**Code**	**Title**
1.10000	**Food Products and Processing Systems Pathway**		
1.10010	Agricultural Sales	41-4011.01	Sales Representatives, Agricultural
1.10020	Agricultural Communications Specialists	99-0000.00	No comparable O*NET occupation
1.10030	Business-Educators	25-1011.00	Business Teachers, Postsecondary
1.10040	Food Scientists	19-1012.00	Food Scientists and Technologists
1.10050	Meat Processors-Toxicologists	19-1042.00	Medical Scientists, Except Epidemiologists
1.10050	Meat Processors-Toxicologists	51-3021.00	Butchers and Meat Cutters
1.10050	Meat Processors-Toxicologists	51-3022.00	Meat, Poultry, and Fish Cutters and Trimmers
1.10050	Meat Processors-Toxicologists	51-3023.00	Slaughterers and Meat Packers
1.10050	Meat Processors-Toxicologists	51-3091.00	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
1.10050	Meat Processors-Toxicologists	51-3092.00	Food Batchmakers
1.10050	Meat Processors-Toxicologists	51-3093.00	Food Cooking Machine Operators and Tenders
1.10060	Biochemists-Nutritionists-Dieticians	19-1021.01	Biochemists
1.10060	Biochemists-Nutritionists-Dieticians	29-1031.00	Dietitians and Nutritionists
1.10070	Food Brokers-Food Inspectors	13-1021.00	Purchasing Agents and Buyers, Farm Products
1.10070	Food Brokers-Food Inspectors	45-2011.00	Agricultural Inspectors
1.10080	Meat Cutters-Meat Graders	45-2011.00	Agricultural Inspectors
1.10080	Meat Cutters-Meat Graders	51-3021.00	Butchers and Meat Cutters
1.10080	Meat Cutters-Meat Graders	51-3022.00	Meat, Poultry, and Fish Cutters and Trimmers
1.10090	Meat Science Researchers	19-1012.00	Food Scientists and Technologists
1.10100	Food Meal Supervisors	45-1011.02	First-Line Supervisors and Manager/Supervisors - Animal Husbandry Workers
1.10110	Cheese Makers	51-3092.00	Food Batchmakers
1.10120	Microbiologists	19-1022.00	Microbiologists
1.10130	Produce Buyers	13-1021.00	Purchasing Agents and Buyers, Farm Products
1.10140	Bacteriologists	19-1022.00	Microbiologists
1.10150	Food and Drug Inspectors	45-2011.00	Agricultural Inspectors
1.10160	Bioengineers	17-2081.00	Environmental Engineers
1.10170	Biochemists	19-1021.01	Biochemists
1.10180	Food and Fiber Engineers	17-2021.00	Agricultural Engineers
1.10190	Food Processors	51-3091.00	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders

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Code	**Title**	**Code**	**Title**
1.10190	Food Processors	51-3092.00	Food Batchmakers
1.10190	Food Processors	51-3093.00	Food Cooking Machine Operators and Tenders
1.10200	Storage Supervisors	53-1000.00	Supervisors, Transportation and Material Moving Workers
1.10210	Fieldman	41-4011.01	Sales Representatives, Agricultural
1.10220	Quality Control Specialists	17-2112.00	Industrial Engineers
1.20000	**Plant Systems Pathway**		
1.20010	Bioinformatics Specialists	19-1022.00	Microbiologists
1.20020	Plant Breeders and Geneticists	19-1013.01	Plant Scientists
1.20030	Biotechnology Lab Technician	19-4021.00	Biological Technicians
1.20040	Soil and Water Specialists	19-4093.00	Forest and Conservation Technicians
1.20050	Crop Farm Managers	11-9011.00	Farm, Ranch, and Other Agricultural Managers
1.20060	Agricultural Educators	25-1041.00	Agricultural Sciences Teachers, Postsecondary
1.20070	Plant Pathologists	19-1013.01	Plant Scientists
1.20080	Aquaculturalists	19-1013.00	Soil and Plant Scientists
1.20090	Sales Representatives	41-4011.01	Sales Representatives, Agricultural
1.20100	Botanists	19-1020.00	Biological Scientist
1.20110	Tree Surgeons	37-3013.00	Tree Trimmers and Pruners
1.20120	Education and Extension Specialists	25-9021.00	Farm and Home Management Advisors
1.20130	Ag Lenders	13-2072.00	Loan Officers
1.20140	Agricultural Journalists	27.3022.01	Reporters and Correspondents
1.20150	Commodity Marketing Specialists	41-3031.01	Sales Agents, Securities and Commodities
1.20160	Grain Operations Superintendents	11-3071.00	Transportation, Storage, and Distribution Managers
1.20160	Grain Operations Superintendents	51-1011.00	First-Line Supervisors/Managers of Production and Operating Workers
1.20170	Custom Hay/Silage Operators	45-2093.00	Farmworkers, Farm and Ranch Animals
1.20180	Forest Genetisists	19-1032.00	Foresters
1.20190	Golf Course Superintendents	11-9199.00	Managers, All Other
1.20190	Golf Course Superintendents	37-1012.02	First-Line Supervisors and Manager/Supervisors - Landscaping Workers
1.20200	Greenhouse Managers	11-9011.01	Nursery and Greenhouse Managers
1.20210	Growers	11-9011.02	Agricultural Crop Farm Managers
1.20220	Farmers	11-9012.00	Farmers and Ranchers

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Code	**Title**	**Code**	**Title**
1.20230	Ranchers	11-9012.00	Farmers and Ranchers
1.30000	**Animal Systems Pathway**		
1.30010	Agricultural Educators	25-1041.00	Agricultural Sciences Teachers, Postsecondary
1.30020	Livestock producers	45-2021.00	Animal Breeders
1.30030	AI Technicians-Aquaculturalists	45-2093.00	Farmworkers, Farm and Ranch Animals
1.30040	Animal Caretakers-Poultry Managers	11-9011.00	Farm, Ranch, and Other Agricultural Managers
1.30050	Equine Managers-Veterinarians	19-1011.00	Animal Scientists
1.30050	Equine Managers-Veterinarians	29-1131.00	Veterinarians
1.30060	Veterinary Assistants-Feedlot Specialists	31-9096.00	Veterinary Assistants and Laboratory Animal Caretakers
1.30070	Animal Scientists	19-1011.00	Animal Scientists
1.30080	Embryo Technologists	29-2056.00	Veterinary Technologists and Technicians
1.30090	Livestock Buyers	13-1021.00	Purchasing Agents and Buyers, Farm Products
1.30100	Feed Sales Representatives	41-4011.01	Sales Representatives, Agricultural
1.30110	Wildlife Biologists	19-1023.00	Zoologists and Wildlife Biologists
1.30120	Livestock Geneticists	19-1023.00	Zoologists and Wildlife Biologists
1.30130	Animal Nutritionists	19-1011.00	Animal Scientists
1.30140	Dairy Producers	11-9012.00	Farmers and Ranchers
1.30150	Livestock Inspectors	45-2011.00	Agricultural Inspectors
1.30160	Feed Sales Specialists	41-4011.01	Sales Representatives, Agricultural
1.30170	Animal Health Salespersons	41-3099.00	Sales Representatives, Services, All Other
1.30180	Animal Health Salespersons	41-3099.00	Sales Representatives, Services, All Other
1.30190	Meat Science Researcher	19-1011.00	Animal Scientists
1.30200	Reproductive Physiologists	19-1029.00	Biological Scientists, All Other
1.30210	Embryo Transfer Technicians	29-2056.00	Veterinary Technologists and Technicians
1.30220	Pet Shop Operators	39-2021.00	Nonfarm Animal Caretakers
1.30220	Pet Shop Operators	41-1011.00	First-Line Supervisors/Managers of Retail Sales Workers
1.30230	USDA Inspectors	45-2011.00	Agricultural Inspectors
1.40000	**Power Structural and Technical Systems Pathway**		
1.40010	Machine Operators	45-2091.00	Agricultural Equipment Operators
1.40020	Electronics Systems Technicians	17-3023.01	Electrical and Electronic Engineering Technicians

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Code	**Title**	**Code**	**Title**
1.40030	Agricultural Engineers	25-1041.00	Agricultural Sciences Teachers, Postsecondary
1.40040	Agricultural Extension Engineering Specialists	25-9021.00	Farm and Home Management Advisors
1.40050	Heavy Equipment Maintenance Technicians	49-3042.00	Mobile Heavy Equipment Mechanics, Except Engines
1.40060	Recycling Technicians	19-4091.00	Environmental Science and Protection Technicians, Including Health
1.40070	Waste Water Treatment Plant Operators	51-8031.00	Water and Liquid Waste Treatment Plant and System Operators
1.40080	Equipment/Parts Managers	41-2022.00	Parts Salespersons
1.40090	Welders	51-4121.02	Welders and Cutters
1.40090	Welders	51-4121.03	Welder-Fitters
1.40100	Machinists	51-4041.00	Machinists
1.40110	Communication Technicians	27-4010.00	Broadcast and Sound Engineering Technicians and Radio Operators
1.40110	Communication Technicians	27-4011.00	Audio and Video Equipment Technicians
1.40110	Communication Technicians	27-4012.00	Broadcast Technicians
1.40110	Communication Technicians	27-4014.00	Sound Engineering Technicians
1.40120	Agricultural Applications Software Developers/Programmers	15-1051,00	Computer Systems Analysts
1.40130	Database Administrators	15-1061.00	Database Administrators
1.40140	Computer Service Technical Support Technicians	15-1041.00	Computer Support Specialists
1.40150	Information Lab Specialists	15-1041.00	Computer Support Specialists
1.40160	GPS Technicians	99-0000.00	Not enough information
1.40170	Remote Sensing Specialists	19-4041.01	Geological Data Technicians
1.50000	**Natural Resources Systems Pathway**		
1.50010	Cartographers	17-1021.00	Cartographers and Photogrammetrists
1.50020	Wildlife Managers	11-9121.00	Natural Sciences Managers
1.50030	Range Technicians	19-1031.02	Range Managers
1.50030	Range Technicians	19-4093.00	Forest and Conservation Technicians
1.50040	Ecologists	19-2041.00	Environmental Scientists and Specialists, Including Health
1.50050	Park Managers	11-1021.00	General and Operations Managers
1.50060	Youth Program Director	11-9151.00	Social and Community Service Managers
1.50070	Fish and Game Officers	33-3031.00	Fish and Game Wardens

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Code	**Title**	**Code**	**Title**
1.50080	Loggers	45-4021.00	Fallers
1.50080	Loggers	45-4022.00	Logging Equipment Operators
1.50080	Loggers	45-4022.01	Logging Tractor Operators
1.50090	Forest Technicians	19-4093.00	Forest and Conservation Technicians
1.50100	Log Graders	45-4023.00	Log Graders and Scalers
1.50110	Pulp and Paper Manager	11-3051.00	Industrial Production Managers
1.50120	Soil Geology Technician	19-4041.02	Geological Sample Test Technicians
1.50130	Geologists	19-2042.01	Geologists
1.50140	Mining Engineers	17-2151.00	Mining and Geological Engineers, Including Mining Safety Engineers
1.50150	Fisheries Technicians	19-4021.00	Biological Technicians
1.50160	Water Monitoring Technician	19-4091.00	Environmental Science and Protection Technicians, Including Health
1.50170	Hydrologists	19-2043.00	Hydrologists
1.50180	Fish Hatchery Manager	11-9011.03	Fish Hatchery Managers
1.50190	Heavy Equipment Operator	53-7032.01	Excavating and Loading Machine Operators
1.50190	Heavy Equipment Operator	47-2073.02	Operating Engineers
1.50200	Solid Waste Disposal Managers	11-3071.00	Transportation, Storage, and Distribution Managers
1.50210	Hazardous Materials Technicians	47-4041.00	Hazardous Materials Removal Workers
1.50220	Toxicologists	19-1042.00	Medical Scientists, Except Epidemiologists
1.50230	Environmentalists	19-2041.00	Environmental Scientists and Specialists, Including Health
1.50240	Commercial Fishermen	45-3011.00	Fishers and Related Fishing Workers
1.50250	Fishing Vessel Operators	45-3011.00	Fishers and Related Fishing Workers
1.50260	Vessel Crew	53-5011.01	Able Seamen
1.50260	Vessel Crew	53-5011.02	Ordinary Seamen and Marine Oilers