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# Appendices

## Appendix A

### ACADEMIC SPECIALIZATIONS IN AGRICULTURE, RENEWABLE NATURAL RESOURCES AND FORESTRY

ACADEMIC AREA

Classification  
of Instructional

Programs Code   Classification of Instructional Program Name (Degree Level Surveyed) - Definition

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GENERAL AGRICULTURE

- 02.0101      Agricultural Sciences, General (BS, MS, PhD) - Principles and practices of agricultural research and production, and may prepare individuals to apply such knowledge and skills to the solution of practical agricultural problems. Includes instruction in basic animal, plant, and soil science; animal husbandry and plant cultivation; and soil conservation.
- 02.0199      Agricultural Sciences, Other (BS, MS, PhD) - Any instructional program in the agricultural sciences not described above.

ANIMAL SCIENCES

- 02.0201      Animal Sciences, General (BS, MS, PhD) - Scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products.
- 02.0202      Animal Breeding & Genetics (BS, MS, PhD) - Application of genetics to the improvement of agricultural animal health, the development of new animal breeds, and the selective improvement of animal populations.
- 02.0203      Animal Health (BS, MS, PhD) - Scientific principles that affect prevention and control of diseases in agricultural animals through the environment, drugs, antibiotics, vaccinations, blood tests, and other management factors.
- 02.0204      Animal Nutrition (BS, MS, PhD) - Biology and chemistry of proteins, fats, carbohydrates, water, vitamins, and feed additives and their relation to animal health and the production of improved animal products.
- 02.0205      Animal Physiology (BS, MS, PhD)- Application of physiological principles to the study of agricultural animal and production problems. Instruction is provided in lactation, reproduction, digestion, and growth.
- 02.0206      Dairy Science (BS, MS, PhD) - Biological theories, principles, and applications that apply to production and management of dairy animals and the production of milk products.
- 02.0298      Livestock Management (BS, MS, PhD) - Theories, principles, and technical skills that apply to the production and management of livestock and livestock products.
- 02.0209      Poultry Science (BS, MS, PhD) - Scientific theories, principles, and applications pertaining to the management of poultry populations and the production of poultry products.
- 01.0303      Aquaculture (BS, MS, PhD) - Prepares individuals to select, culture, propagate, harvest and market domesticated fish, shellfish and marine plants. Includes instruction in the operation of fish farms and related enterprises.
- 51.1104      Pre-Veterinary Medicine (BS, MS, PhD) - Prepares individuals for admission to a first-professional program in veterinary medicine.
- 18.2491      Veterinary Science (BS, MS, PhD) - Prepares individuals for the independent professional practice of veterinary medicine. Includes instruction in the principles and procedures used in the observation, diagnosis, care and treatment of illness, disease, injury, deformity, or other anomalies in animals; ethnics and professional standards; and supervised clinical practice.
- 26.0694      Embryology (MS, PhD) - Formation, development, structure and functional activities of embryos; organisms in the state of development before emergence from the egg or before metamorphosis.
- 26.0695      Endocrinology (MS, PhD) - Describes the endocrine glands and their secretions in relation to their processes or functions, including their care and treatment.
- 26.0704      Animal Pathology (MS, PhD) - Scientific study of the nature, causes, and development of animal diseases and the mechanisms of disease infestation and transfer. Includes instruction in animal pathobiology, disease morphology, disease biochemistry, physiology of disease and cell injury, and immunopathology.
- 26.0705      Animal Pharmacology (MS, PhD) - Scientific study of the therapeutic and toxic effects of drugs on animals including pharmacodynamic behavior, drug metabolism, chemical pharmacology, the physiological effects of chemical substances on animals, therapeutic applications, chemical profile analysis, and rational drug design.
- 02.0299      Animal Sciences, Other (BS, MS, PhD) - Any instructional program in animal sciences not described above.

PLANT SCIENCES

- 02.0401 Plant Sciences, General (BS, MS, PhD) - Theories and principles of science involved in the production and management of plants for food, feed, fiber, and soil conservation.
- 02.0402 Agronomy & Crop Science (BS, MS, PhD) - Chemical, physical and biological relationships of crops and the soils nurturing them. Includes instruction in the growth and behavior of agricultural crops, the breeding of improved and new crop varieties, and the scientific management of soils for maximum plant nutrition and health.
- 02.0405 Plant Breeding & Genetics (BS, MS, PhD) - Scientific theories and principles underlying plant breeding, development and mutation, including hybridization and differential selection for plant improvement. Includes instruction in botanical biometry, statistics and computer analysis.
- 02.0406 Plant Pathology (Applied) (BS, MS, PhD) - Scientific principles associated with recognizing diseased plants, identifying causal agents, the development of disease response mechanisms and treatments, and the prevention or reduction of economic loss.
- 02.0407 Plant Physiology (MS, PhD) - Scientific principles involved in the life processes of plants and plant responses to the elements of the physical environment, including nutrition, respiration, growth, photosynthesis and reproduction.
- 02.0408 Plant Protection (Integrated Pest Management) (BS, MS, PhD) - Principles and practices of controlling and preventing economic loss caused by plant pests, and related environmental protection measures. Includes instruction in entomology, plant pathology, weed science, crop science and environmental toxicology.
- 26.0396 Plant Pharmacology (BS, MS, PhD) - Therapeutic and toxic effects of drugs on plants, including pharmacodynamic behavior, metabolism, chemical interaction, and their biochemical and physiological effects on plants.
- 02.0499 Plant Sciences, Other (BS, MS, PhD) - Any instructional program in plant sciences not described above.

### HORTICULTURAL SCIENCES

- 02.0403 Horticulture Science, General (BS, MS, PhD) - Scientific principles involved in the cultivation of garden and ornamental plants, including fruits, vegetables, flowers, landscape and nursery crops. Includes instruction in specific types of plants, plant breeding, plant physiology, and the management of garden/nursery crops throughout the plant life cycle.
- 01.0607 Turf Management Science (BS, MS, PhD) - Prepares individuals to establish, manage and maintain ornamental or recreational grassed areas, to prepare and maintain athletic playing surfaces and to produce turf for transplantation.
- 01.0693 Ornamental Horticulture Operations and Management (BS, MS, PhD) - Production, processing, packaging and marketing of plants, shrubs, flowers, foliage, trees and related plant materials used for ornamental, recreation and greenhouse operations. Includes instruction in establishment, maintenance, and management of horticultural or greenhouse enterprises.
- 04.0601 Landscape Architecture (BS, MS, PhD) - Prepares individuals for the independent professional practice of landscape architecture. Includes instruction in site planning, site analysis, site engineering, environmental impact, garden and landscape art and design, horticulture, and applicable regulations.
- 01.0699 Horticulture Sciences, Other (BS, MS, PhD) - Any instructional program in horticultural sciences not described above.

### SOIL SCIENCES

- 02.0501 Soil Sciences, General (BS, MS, PhD) - Describes the scientific classification and study of soils and soil properties. Includes instruction in soil chemistry, soil physics, soil biology, soil fertility, morphogenesis, mineralogy and hydrology, and soil conservation and management.
- 02.0595 Soil Microbiology (MS, PhD) - Fundamental microbiological principles related to the nature and properties of soils, and interactions of soil and plants with physical and chemical components as they relate to soil and crop management.
- 02.0592 Soil Chemistry/Physics (MS, PhD) - Fundamental chemical and physical principles as they relate to the nature and properties of soils and their development of basic soil and crop management theories.
- 02.0593 Soil Conservation/Management & Fertility (MS, PhD) - Chemical, physical, and biological principles and practices used in maintaining, managing, and improving soil and land resources in order to optimize productivity and minimize resource loss.
- 02.0599 Soil Sciences, Other (BS, MS, PhD) - Any instructional program in soil sciences not described above.

### AGRICULTURAL BUSINESS & MANAGEMENT

- 01.0101 Agricultural Business & Management, General (BS, MS, PhD) - Prepares individuals to apply modern business and economic principles involved in organization, operation, and management of farm and agricultural businesses.
- 01.0102 Agricultural Business/Agribusiness Operations (BS, MS, PhD) - Prepares individuals to apply modern business and economic principles relating to the production and marketing of agricultural products and services.
- 01.0103 Agricultural Economics (BS, MS, PhD) - Describes modern business and economic principles relating to the allocation of resources to the production and marketing of agricultural products and services in the domestic and international markets.

### AGRICULTURAL BUSINESS & MANAGEMENT, continued,

- 01.0104 Farm and Ranch Management (BS, MS, PhD) - Prepares individuals to manage a farm or ranch. Includes instruction in computer-assisted management analysis, accounting, taxes, production, financing, capital resources, purchasing, government programs, farm inputs, performance records, contracts, estate planning and marketing.
- 01.0701 International Agriculture, General (BS, MS, PhD) - Application of agricultural principles to problems of global food production and distribution, and to the study of the agricultural systems of other nations.
- 01.0199 Agricultural Business and Management, Other (BS, MS, PhD) - Any instructional program in agricultural business or management not described above.

### EDUCATION, COMMUNICATION, & SOCIAL SCIENCES

- 02.0102 Extension Education (BS, MS, PhD) - Prepares individuals to provide referral, consulting, assistance and educational services to farmers and ranchers via local, state or federal government agencies. Includes instruction in agricultural sciences, agricultural business operations, agricultural law and administrative regulations, public relations, and communications skills.
- 02.0191 Rural Sociology, General (BS, MS, PhD) - Rural society, social institutions, and social relationships, including development, purposes, structures, and functions of rural groups.
- 02.0192 Agricultural Communications/Journalism, General (BS, MS, PhD) - Communication of agriculture-related information through use of radio, television, film, and journalism media.
- 13.1301 Agricultural Education (BS, MS, PhD) - Prepares individuals to teach vocational agricultural programs at various educational levels.
- 02.1199 Education, Communication, Social Sciences, Other (BS, MS, PhD) - Any instructional program in education, communication and social sciences not described above.

### NATURAL RESOURCES

- 03.0101 Renewable Natural Resources Conservation, General (BS, MS, PhD) - Describes activities involving the conservation/improvement of natural resources such as air, soil, water, land, fish, and wildlife for economic and recreational purposes.
- 03.0102 Environmental Science/Studies (BS, MS, PhD) - Describes the study of the biological and physical aspects of the environment and environment-related issues, including methods of abating or controlling environmental pollution and collateral damage.
- 03.0201 Natural Resources Management and Policy (BS, MS, PhD) - Prepares individuals to plan, develop and conduct programs to protect and maintain natural habitats and renewable natural resources. Includes instruction in wildlife biology, animal population surveys, economics, conservations techniques, public education and administration.
- 03.0203 Natural Resources Law Enforcement and Protective Services (BS, MS, PhD) - Prepares individuals to enforce natural resource and environmental protection regulations and laws; and to perform emergency duties to protect human life, property and natural resources, including fire prevention and control measures and emergency and rescue procedures.
- 03.0301 Fishing and Fisheries Science Management (BS, MS, PhD) - Describes the scientific study of the husbandry of fish populations for recreational, ecological, and commercial purposes; and the application of such studies to the management of marine life resources and fisheries. Includes instruction in principles of aquatic and marine biology, water resources, fishing production and management operations, fishing regulations, water quality monitoring, and the management of recreational and commercial fishing activities.
- 03.0601 Wildlife and Wildlands Management (BS, MS, PhD) - Principles and practices used in the conservation and management of wildlands and wildlife resources for aesthetic, ecological and recreational uses.
- 02.0409 Range/Land Science Management (BS, MS, PhD) - Scientific principles and practices involved in studying and managing rangelands, arid regions, grasslands and other areas of low productivity. Includes instruction in livestock grazing systems management, soil science, plant and wildlife ecology, and hydrology.
- 31.0101 Parks, Recreation and Leisure Studies (BS, MS, PhD) - Describes the study of the principles underlying recreational and leisure activities, and the practices involved in providing outdoor and indoor recreational facilities and services for the general public.
- 31.0301 Parks, Recreation and Leisure Facilities Management (BS, MS, PhD) - Prepares individuals to develop and manage park facilities and other indoor and outdoor recreation and leisure facilities. Includes instruction in supervising support personnel, health and safety standards, public relations and basic business and marketing principles.
- 31.0291 Water Resources (BS, MS, PhD) - Physical, biological and social sciences and practices essential to understanding and managing water resources for optimum yield, use, and conservation.
- 03.0199 Natural Resources, Other (BS, MS, PhD) - Any instructional program in the natural resource sciences not described above.

### FOREST SCIENCES

- 03.0501 Forestry, General (BS, MS, PhD) - Prepares individuals to manage and develop forest areas for economic, recreational and ecological purposes. Includes instruction in forest-related sciences, mapping, statistics, harvesting and production technology, resource protection, management and economics, ecology and biology, administration and public relations.
- 03.0401 Forest Harvesting and Production (BS, MS, PhD) - Prepares individuals to assist foresters in managing, protecting and harvesting timber stands and specialty forest crops. Includes instruction in equipment maintenance and repair, tree planting, selection and

identification of trees for special attention, transplantation and harvesting, and forest management and safety procedures.

- 03.0404 Forest Products Technology (BS, MS, PhD) - Prepares individuals to assist a manager, engineer, chemist, or forest product scientist in the measurement, analysis of quality, testing, and processing of harvested forest raw materials, and the selection, grading and marketing of forest products to be used for specific purposes. Includes instruction in identifying, measuring, assessing quality, evaluating commercial value, and strength testing.
- 03.0405 Timber Harvesting (BS, MS, PhD) - Prepares individuals to operate logging equipment and machinery for the direct harvesting of timber crops including equipment maintenance and the practice of safety procedures.
- 03.0502 Forest Sciences (BS, MS, PhD) - Describes the application of scientific principles to the study of environmental factors affecting forests and to the growth and management of forest resources. Includes instruction in forest biology, forest hydrology, forest engineering, silviculture, disease and pest control and the development of improved tree varieties.
- 03.0593 Forest Biology (BS, MS, PhD) - Forest biological and ecological processes and systems, including physiology, forest genetics, and forest soils.
- 03.0594 Forest Engineering (BS, MS, PhD) - Forest road design and construction, harvesting plans and systems, machinery design and other engineering applications.
- 03.0595 Forest Hydrology (BS, MS, PhD) - Principles and processes of movement and disposition of water on forest land, including watershed management.
- 03.0506 Forest Management (BS, MS, PhD) - Prepares individuals in the management and administration of forests and forest lands. Includes silviculture, forest protection, forest policy, forest resource planning, and economics.
- 03.0597 Forest Mensuration (BS, MS, PhD) - Measurement of dimensions, form, increments, and age of trees, individually or collectively; includes remote sensing, forest modeling, and forest biometrics.
- 03.0598 Urban Forestry (BS, MS, PhD) - Planning, care, and maintenance of individual trees or forested areas in or close to areas of dense habitation where special practices may be needed.
- 03.0590 Wood Science (BS, MS, PhD) - Prepares individuals to apply scientific and engineering principles to analyze the properties and behavior of wood and wood products.
- 03.0591 Pulp and Paper Technology (BS, MS, PhD) - Prepares individuals to analyze the chemical and physical processes involved in converting wood into paper and other products and the design and development of related machinery and systems.
- 03.0592 Forest Soils (BS, MS, PhD) - Understanding various physical chemical and biological properties of forest soils and how these properties influence site management for timber products and the other uses derived from forested soils.
- 03.0599 Forest Sciences, Other (BS, MS, PhD) - Any instructional program in forestry and related sciences not described above.

## AG ENGINEERING/MECHANIZATION

- 01.0201 Agricultural Mechanization, General (BS, MS, PhD) - Prepares individuals in a general way to sell, select and service agriculture or agribusiness technical equipment and facilities, including computers, specialized software, power units, machinery, equipment structures and utilities. Includes instruction in agricultural power units; the planning and selection of materials for the construction of agricultural facilities; the mechanical practices associated with irrigation and water conservation; erosion control; and data processing systems.
- 14.0301 Agricultural Engineering (BS, MS, PhD) - Prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems, equipment and facilities used to produce, process and store agricultural products; to improve the productivity of agricultural methods; and to develop improved agricultural biological systems.
- 14.1401 Environmental Engineering (BS, MS, PhD) - Prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems for controlling contained living environments and for monitoring and controlling factors in the external natural environment, including pollution control, waste and hazardous material disposal, health and safety protection, conservation, life support, and requirements for protection of special materials and related work environments.
- 01.0299 Agricultural Mechanization, Other (BS, MS, PhD) - Any instructional program in agricultural mechanization or agricultural engineering not described above.

## FOOD SCIENCES/HUMAN NUTRITION

- 02.0301 Food Sciences and Technology (BS, MS, PhD) - Biological, chemical, physical and engineering principles and practices involved in converting agriculture products to forms suitable for direct human consumption or for storage, and the solution of problems relating to product transportation, storage and marketing.
- 02.0392 Dairy Processing (BS, MS, PhD) - Principles, sciences, and practices involved in the conversion of raw milk to dairy foods including milk, cheese and dehydrated and frozen products.
- 02.0395 Food Engineering (BS) - Principles and theories used in the development of equipment and facilities utilized in the processing, preservation, and handling of food products.

- 02.0396 Food Packaging (BS) - Principles and techniques used to develop and implement methods of preparing and packaging food products to preserve, protect, and display them.
- 02.0394 Food Engineering/Packaging (MS, PhD) - Principles, theories and techniques used in the development of equipment and facilities and in the implementation of methods used in the preparing and packaging of food products in the processing, preservation, handling and displaying of food products.
- 19.0503 Dietetics (BS, MS, PhD) - Describes the provisions of nutritional services, menu planning and diet consultation for individuals, families and institutions. Includes instruction in planning and directing food service activities, diet and nutrition analysis and plan formulation, food preparation management, client education and related services.
- [Separate surveys are conducted for all programs in Food and Consumer Sciences (programs previous included under "Home Economics"), if these fields will be reported by Food and Consumer Sciences administrative units at your institution, Do Not Report data in these specializations (19.0503, 26.0609). If such fields are fully integrated into your agricultural programs and you have total administrative control, Please Report data in these specializations.]
- 26.0609 Nutritional Sciences (BS, MS, PhD) - Scientific study of the biological processes by which organisms ingest, digest and use the chemical compounds vital to survival, and which cannot be synthesized by the organism itself. Includes instruction in nutritional biochemistry and biophysics, anatomy and physiology of digestive systems, environmental and behavioral aspects of nutrition, and studies of the nutritional problems of specific organisms.
- [Separate surveys are conducted for all programs in Food and Consumer Sciences (programs previous included under "Home Economics"), if these fields will be reported by Food and Consumer Sciences administrative units at your institution, Do Not Report data in these specializations (19.0503, 26.0609). If such fields are fully integrated into your agricultural programs and you have total administrative control, Please Report data in these specializations.]
- 02.0399 Food Sciences/Human Nutrition, Other (BS, MS, PhD) - Any instructional program in the food sciences/human nutritional sciences not described above.

#### RELATED BIOLOGICAL/PHYSICAL SCIENCES

- 26.0101 Biology, General (BS, MS, PhD) - Scientific study of the structure, function, reproduction, growth, heredity, evolution, behavior, and distribution of living organisms, and their relations to their natural environments.
- 26.0202 Biochemistry (BS, MS, PhD) - Chemical processes of living organisms. Includes instruction in the chemical mechanisms of genetic information storage and transmission; the chemistry of cell components; blood chemistry; the chemistry of biological systems and biological products; and the chemistry of life processes such as respiration, digestion and reproduction.
- 26.0203 Biophysics (BS, MS, PhD) - Application of physics principles to the study of living cells and organisms, including structures and fine structures, bioelectric phenomena, radiation effects, molecular behavior, photosynthesis, membranes, organic thermodynamics, and quantitative analysis and modeling.
- 26.0393 Mycology (MS, PhD) - Morphology, physiology, taxonomy and ecology of fungi.
- 26.0492 Biotechnology/Molecular Biology (BS, MS, PhD) - Describes the scientific study of the molecular structures and processes that underlie the storage and transmission of genetic information, of energy storage and transfer, of hormone generation, and of basic life processes such as development, growth and aging.
- 26.0501 Microbiology/Bacteriology (BS, MS, PhD) - Scientific study of microorganisms, including bacteria and viruses, as distinguished from the cellular components of larger organisms. Includes instruction in the ecological behavior of microorganisms, their anatomy and physiology, pathogenesis, and microbe evolution and mutation.
- 26.0610 Parasitology (MS, PhD) - Study of organisms living on or within biological hosts, their behavioral interactions with host organisms, and defenses against parasitological infestations. Includes instruction in parasitological evolution and community behavior, parasite metabolism, immunization processes, drug development and drug reactions.
- 26.0617 Evolutionary Biology (BS, MS, PhD) - Describes the scientific study of the generation of organismic traits and of shared traits across taxonomic classifications, and the refinement of related theory and experimental methods. Includes instruction in the process of heredity, genetic mutation and variation, phenotype determination, ecological determinants of species survival and adaptation, population genetics, taxonomic classification, developmental biology, and paleontology.

#### RELATED BIOLOGICAL/PHYSICAL SCIENCES, continued,

- 26.0692 Biometrics & Biostatistics (BS, MS, PhD) - Applications of mathematical and statistical models and methodology applied to the development of biological and biometric solutions to research problems. Includes instruction in quantitative measurement, experimental design, computer methods and applications to biological subdisciplines.
- 26.0702 Entomology (BS, MS, PhD) - Study of insects, including life cycle, morphology, physiology, ecology, taxonomy, population dynamics, genetics and ecosystem relations. Includes instruction in the biological and chemical control of insects, and development of insecticide agents.
- 40.0401 Atmospheric Sciences and Meteorology (BS, MS, PhD) - Chemical and physical properties of the mass of air surrounding the earth, including air masses and motions, temperature, atmospheric pressure, clouds, and precipitation, and relatively short-term local, regional, and global interrelationships.

26.0699 Biological/Physical Science, Other (BS, MS, PhD) - Any instructional program in the biological/physical sciences not described above.

NON-AGRICULTURAL PROGRAMS

19.xxxx Home Economics, Unspecified (BS, MS, PhD) - All academic programs in home economics, family and consumer sciences, human ecology or human environmental sciences. Report all home economic and family and consumer science programs under this category.

19.0503 Dietetics (BS, MS, PhD) - Describes the provisions of nutritional services, menu planning and diet consultation for individuals, families and institutions. Includes instruction in planning and directing food service activities, diet and nutrition analysis and plan formulation, food preparation management, client education and related services.

99.9999 Non-Agricultural Programs (BS, MS, PhD) - Any non-agricultural academic program administered by the College of Agriculture, Renewable Natural Resources and Forestry. Please contact the FAEIS Office (979-845-5068) for clarification.

## Appendix B

### SURVEY POPULATION RESPONSE

University	Administrative Unit	Contact	Survey Response	Land Grant	Forestry Assoc. Affiliation
University of Alaska Fairbanks	School of Agriculture and Land Resources Management	Dr. Carol E. Lewis	✓	1862	NAPFSC, SAF
Alabama A&M University	School of Agricultural & Environmental Sciences	Dr. James W. Shuford	✓	1890	
Auburn University	College of Agriculture	Dr. William Hardy	✓	1862	
Auburn University	School of Forestry	Dr. Richard W. Brinker	✓	1862	NAPFSC, SAF
Tuskegee University	College of Agricultural, Environmental and Natural Sciences	Dr. Walter A. Hill	✓	1890	
Arkansas State University	College of Agriculture	Dr. Calvin Shumway	✓	NLG	
Arkansas Tech University	Department of Agriculture	Dr. Kenneth Pippin	✓	NLG	
Southern Arkansas University	Department of Agriculture	Dr. James Tollett	✓	NLG	
University of Arkansas at Monticello	Division of Agriculture	Dr. A. Edwin Colburn	✓	NLG	
University of Arkansas at Monticello	School of Forest Resources	Dr. R.A. Kluender	✓	NLG	NAPFSC, SAF
University of Arkansas at Pine Bluff	School of Agriculture, Fisheries and Human Sciences	Dr. Jacquelyn W. McCray	✓	1890	
University of Arkansas-Fayetteville	College of Agricultural, Food and Life Sciences	Dr. Randall G. Luttrell	✓	1862	
American Samoa Community College	Agriculture and Life Sciences	Dr. Carol Whitaker	✓	1862	
Arizona State University	School of Agribusiness and Resource Management	Dr. Raymond A. Marquardt	✓	NLG	
Northern Arizona University	School of Forestry	Dr. Bruce E. Fox	✓	NLG	NAPFSC, SAF
University of Arizona	College of Agriculture and Life Sciences	Dr. David E. Cox	✓	1862	NAPFSC
Cal St Polytech Univ - Pomona	College of Agriculture	Dr. Wayne R. Bidlack	✓	NLG	
California Polytechnic State Univ.	College of Agriculture	Dr. David Wehner	✓	NLG	NAPFSC, SAF
California State University - Chico	College of Agriculture	Dr. A. Charles Crabb	✓	NLG	
California State University - Fresno	College of Agricultural Sciences and Technology	Dr. Daniel P. Bartell	✓	NLG	
Humboldt State University	College of Natural Resources and Sciences	Dr. James Howard	✓	NLG	NAPFSC, SAF
University of California, Berkeley	College of Natural Resources	Dr. Don Dahlisten	✓	1862	NAPFSC, SAF
University of California, Davis	College of Agricultural and Environmental Sciences	Dr. Annie J. King	✓	1862	
University of California, Riverside	College of Natural and Agricultural Sciences	Dr. Jolinda Traugh	✓	1862	
Colorado State University	College of Agricultural Sciences	Dr. James C. Heird	✓	1862	
Colorado State University	College of Natural Resources	Dr. Al Dyer	✓	1862	NAPFSC, SAF
University of Connecticut	College of Agriculture and Natural Resources	Dr. Suman Singha	✓	1862	NAPFSC
Yale University	School of Forestry and Environmental Studies	Dr. James G. Speth	✓	NLG	NAPFSC, SAF
Delaware State University	School of Ag, Nat Res, Family & Consumer Sciences	Dr. Kenneth W. Bell	✓	1890	
University of Delaware	College of Agricultural and Natural Resources	Dr. Lesa G. Griffiths	✓	1862	
Florida A&M University	College of Engineering Sciences, Technology and Agriculture	Dr. Verian D. Thomas	✓	1890	
University of Florida	College of Agricultural and Life Sciences	Dr. Jeremy Cheek	✓	1862	NAPFSC, SAF
College of Micronesia	Division of Agriculture	Dr. Kiyoshi Phillip	✓	1862	
Fort Valley State University	College of Agriculture, Home Economics and Allied Programs	Dr. Fred Harrison, Jr.	✓	1890	
University of Georgia	College of Agricultural & Environmental Sciences	Dr. David Knauft	✓	1862	NAPFSC, SAF
University of Georgia	School of Forest Resources	Dr. Arnett C. Mace, Jr.	✓	1862	NAPFSC, SAF
University of Guam	College of Agriculture and Life Sciences	Dr. Jeff D.T. Barcinas	✓	1862	
University of Hawaii	College of Tropical Agriculture and Human Resources	Dr. Marlene N. Hapai	✓	1862	NAPFSC
Iowa State University	College of Agriculture	Dr. Eric Hoiberg	✓	1862	NAPFSC, SAF
University of Idaho	College of Agriculture	Dr. John E. Hammel	✓	1862	
University of Idaho	College of Natural Resources	Dr. Charles R. Hatch	✓	1862	NAPFSC, SAF
Illinois State University	Department of Agriculture	Dr. J. Randy Winter	✓	NLG	
Southern Illinois University	College of Agriculture	Dr. Robert D. Arthur	✓	NLG	NAPFSC, SAF
University of Illinois	College of Agricultural, Consumer and Environmental Sciences	Dr. R. Kirby Barrick	✓	1862	NAPFSC, SAF
Western Illinois University	Agriculture Department	Dr. Danny Terry	✓	NLG	
Purdue University	School of Agriculture	Dr. Karl G. Brandt	✓	1862	NAPFSC, SAF
Fort Hays State University	College of Agriculture	Dr. John Greathouse	✓	NLG	
Kansas State University	College of Agriculture	Dr. Larry H. Erpelding	✓	1862	NAPFSC
Eastern Kentucky University	Department of Agriculture	Dr. Danny G. Britt	✓	NLG	
Morehead State University	Department of Agricultural and Human Sciences	Dr. Lane Cowsert	✓	NLG	
Murray State University	Department of Agriculture	Dr. Tony L. Brannon	✓	NLG	
University of Kentucky	College of Agriculture	Dr. Joe T. Davis	✓	1862	NAPFSC, SAF
Western Kentucky University	Department of Agriculture	Dr. Jenks Britt	✓	NLG	
Louisiana State University	College of Agriculture	Dr. James W. Trott	✓	1862	NAPFSC, SAF
Louisiana Tech University	Department of Agriculture	Dr. Mike Gould	✓	NLG	
Louisiana Tech University	School of Forestry	Dr. G.H. Weaver	✓	NLG	NAPFSC, SAF
McNeese State University	Department of Agriculture	Dr. John J. Smith	✓	NLG	
Nicholls State University	Department of Agriculture	Dr. M.M. Ebeid	✓	NLG	
Northeast Louisiana University	Department of Agriculture	Dr. Willy Hoefler	✓	NLG	
Southeastern Louisiana University	College of Arts and Sciences	Dr. Sid Guedry	✓	NLG	
Southern University and A&M College	College of Agriculture, Family and Consumer Sciences	Dr. Kirkland E. Mellad	✓	1890	
University of Louisiana, Lafayette	College of Applied Life Sciences	Dr. Linda Vincent	✓	NLG	
University of Massachusetts	College of Food and Natural Resources	Dr. James B. Marcum	✓	1862	NAPFSC, SAF
University of Maryland	College of Agriculture and Natural Resources	Dr. Leon H. Slaughter	✓	1862	NAPFSC
University of Maryland-Eastern Shore	School of Agricultural and Natural Sciences	Dr. Carolyn Brooks	✓	1890	
University of Maine - Orono	College of Natural Resources, Forestry and Agriculture	Dr. Alan Kezis	✓	1862	NAPFSC, SAF
Lake Superior State University	College of Natural and Health Sciences	Dr. Donald McCrimmon	✓	NLG	
Michigan State University	College of Agriculture and Natural Resources	Dr. Richard K. Brandenburg	✓	1862	NAPFSC, SAF
Michigan Tech University	School of Forestry and Wood Products	Dr. Glenn D. Mroz	✓	NLG	NAPFSC, SAF
University of Michigan	School of Natural Resources & Environment	Dr. Barry G. Rabe	✓	NLG	NAPFSC, SAF
Southwest State University	Department of Agriculture	Dr. John Cole	✓	NLG	
University of Minnesota	College of Agricultural, Food & Environmental Sciences	Dr. Alan Hunter	✓	1862	
University of Minnesota	College of Natural Resources	Dr. Alfred D. Sullivan	✓	1862	NAPFSC, SAF
University of Minnesota - Crookston	Center for Agriculture and Natural Resources	Dr. Richard Nelson	✓	NLG	
Central Missouri State University	Department of Agriculture	Dr. Fred Worman	✓	NLG	
Lincoln University	Department of Agriculture, Natural Sciences & Mathematics	Dr. Thomas Omara-Alwala	✓	1890	
Northwest Missouri State University	Department of Agriculture	Dr. Arley Larson	✓	NLG	
Southeast Missouri State University	Department of Agriculture	Dr. Wesley J. Mueller	✓	NLG	
Southwest Missouri State University	Department of Agriculture	Dr. W. Anson Elliott	✓	NLG	
Truman State University	Department of Agricultural Science	Dr. David B. Lesczynski	✓	NLG	
University of Missouri	College of Agriculture, Food and Natural Resources	Dr. Paul R. Vaughn	✓	1862	NAPFSC, SAF
Alcorn State University	Department of Agriculture	Dr. Kenneth Stallings	✓	1890	
Mississippi State University	College of Agriculture and Life Sciences	Dr. J. Charles Lee	✓	1862	
Mississippi State University	College of Forest Resources	Dr. Sam Foster	✓	1862	NAPFSC, SAF

Key to response codes:

✓ Respondent

✗ Refused to respond

◆ Data not available

NLG = Non Land-Grant

NAPFSC = National Association of Professional Forestry Schools and Colleges

SAF = Society of American Foresters

## Appendix B

### SURVEY POPULATION RESPONSE

Continued

University	Administrative Unit	Survey Contact	Survey Response	Land Grant	Forestry Assoc. Affiliation
Montana State University	College of Agriculture	Dr. Sharron S. Quisenberry		1862	
University of Montana	School of Forestry	Dr. Perry Brown	✓	NLG	NAPFSC, SAF
Duke University	School of the Environment	Dr. Norman L. Christensen		NLG	NAPFSC, SAF
North Carolina A&T State University	School of Agriculture	Dr. Daniel D. Godfrey		1890	
North Carolina State University	College of Agriculture and Life Sciences	Dr. George T. Barthalmus		1862	NAPFSC, SAF
North Carolina State University	College of Forest Resources	Dr. Larry Tombaugh	✓	1862	NAPFSC, SAF
North Dakota State University	College of Agriculture	Dr. James R. Venette	✓	1862	NAPFSC
University of Nebraska	College of Agricultural Sciences and Natural Resources	Dr. Steve Waller	✓	1862	NAPFSC
University of Nebraska at Kearney	Department of Economics/Agri-business & Technology	Dr. Vani V. Kotcherlakota		NLG	
University of New Hampshire	College of Life Sciences and Agriculture	Dr. Patricia D. Bedker	✓	1862	NAPFSC, SAF
Rutgers-The State University	Cook College	Dr. Ian L. Maw	✓	1862	NAPFSC
Eastern New Mexico University	Department of Family, Consumer Science and Agriculture	Dr. Merlene Olmsted	✓	NLG	
New Mexico State University	College of Agriculture and Home Economics	Dr. Don Lindsey	✓	1862	NAPFSC
University of Nevada-Reno	College of Agriculture, Biotechnology and Natural Resources	Dr. Roger A. Lewis	✓	1862	NAPFSC
Cornell University	College of Agriculture and Life Sciences	Dr. H. Dean Sutphin	✓	1862	NAPFSC
State Univ. of New York - Cobleskill	Division of Agriculture and Natural Resources	Dr. Douglas M. Goodale		NLG	
SUNY - Syracuse	College of Environmental Science and Forestry	Dr. William Bentley	✓	NLG	NAPFSC, SAF
Ohio State University	College of Food, Agricultural and Environmental Sciences	Dr. L.H. Newcomb	✓	1862	NAPFSC, SAF
Cameron University	Department of Agriculture	Dr. A.C. Bennett		NLG	
Langston University	Department of Agriculture	Dr. Marvin Burns	✓	1890	
NW Oklahoma State University	Agriculture Department	Dr. James Gilchrist		NLG	
Oklahoma Panhandle State University	School of Agriculture	Dr. John Townsend		NLG	
Oklahoma State University	Division of Agricultural Sciences and Natural Resources	Dr. Edwin Miller	✓	1862	NAPFSC, SAF
Oregon State University	College of Agricultural Sciences	Dr. Michael J. Burke	✓	1862	
Oregon State University	College of Forestry	Dr. Hal Salwasser	✓	1862	NAPFSC, SAF
Pennsylvania State University	College of Agricultural Sciences	Dr. James H. Mortensen		1862	NAPFSC, SAF
University of Puerto Rico	College of Agricultural Sciences	Dr. Rafael F. Davila		1862	NAPFSC
University of Rhode Island	College of the Environment and Life Sciences	Dr. William R. Wright		1862	
Clemson University	College of Agriculture, Forestry and Life Sciences	Dr. William B. Wehrenberg	✓	1862	NAPFSC, SAF
South Carolina State University	Department of Agri-Business and Economics	Dr. Nelson Modeste		1890	
South Dakota State University	College of Agriculture and Biological Sciences	Dr. Charles McMullen	✓	1862	NAPFSC
Austin Peay State University	Department of Agriculture	Dr. James K. Goode		NLG	
Middle Tennessee State University	School of Agribusiness and Agriscience	Dr. Harley W. Foutch	✓	NLG	
Tennessee State University	School of Agriculture and Home Economics	Dr. Troy Wakefield Jr.	✓	1890	
Tennessee Technological University	College of Agriculture and Human Ecology	Dr. Donald Elkins	✓	NLG	
University of Tennessee-Knoxville	College of Agricultural Sciences and Natural Resources	Dr. Mary Albrecht	✓	1862	NAPFSC, SAF
University of Tennessee-Martin	College of Agriculture and Applied Sciences	Dr. James L. Byford		NLG	
Abilene Christian University	Department of Agriculture and Environment	Dr. Glenn Davis		NLG	
Angelo State University	Department of Agriculture	Dr. Gil R. Engdahl	✓	NLG	
Prairie View A&M University	Department of Agriculture	Dr. C.L. Strickland, Sr.		1890	
Sam Houston State University	Department of Agricultural Sciences	Dr. Robert A. Lane	✓	NLG	
Southwest Texas State University	Applied Arts and Technology, Department of Agriculture	Dr. Hardin Rahe	✓	NLG	
Stephen F Austin State Univ	College of Forestry	Dr. R. Scott Beasley	✓	NLG	NAPFSC, SAF
Stephen F. Austin State University	Department of Agriculture	Dr. Dale Perritt	✓	NLG	
Sul Ross State University	School of Agricultural and Natural Resource Sciences	Dr. Rob Khucan	✓	NLG	
Tarleton State University	College of Agriculture and Human Sciences	Dr. Don Knotts	✓	NLG	
Texas A&M University	College of Agriculture and Life Sciences	Dr. Karen Kubena	✓	1862	NAPFSC, SAF
Texas A&M University - Commerce	Department of Agricultural Sciences	Dr. Donald L. Cawthon	✓	NLG	
Texas A&M University - Kingsville	College of Agriculture and Human Sciences	Dr. Charles A. DeYoung	✓	NLG	
Texas Tech University	College of Agricultural Sciences and Natural Resources	Dr. Marvin J. Cepica	✓	NLG	
West Texas A&M University	College of Agriculture, Nursing and Natural Sciences	Dr. James R. Clark	✓	NLG	
Utah State Univ - Natural Resources	Department of Forest Resources	Dr. Terry L. Sharik	✓	1862	NAPFSC, SAF
Utah State University	College of Agriculture	Dr. Ralph Whitesides	✓	1862	
Virginia State University	School of Agriculture, Science and Technology	Dr. Lorenza W. Lyons		1890	
Virginia Tech	College of Agriculture and Life Sciences	Dr. John M. White	✓	1862	
Virginia Tech	College of Natural Resources	Dr. Gregory N. Brown	✓	1862	NAPFSC, SAF
University of Vermont	College of Agriculture and Life Sciences	Dr. Donald C. Foss	✓	1862	NAPFSC, SAF
University of Washington	College of Forest Resources	Dr. Kristina Vogt	✓	NLG	NAPFSC, SAF
Washington State University	College of Agriculture and Home Economics	Dr. Vicki A. McCracken	✓	1862	NAPFSC, SAF
Univ of Wisconsin-Stevens Pt.	College of Natural Resources	Dr. Victor Phillips	✓	NLG	NAPFSC, SAF
University of Wisconsin-Madison	College of Agricultural and Life Sciences	Dr. Richard Barrows	✓	1862	NAPFSC, SAF
University of Wisconsin-Platteville	School of Agriculture	Dr. Susan Price	✓	NLG	
University of Wisconsin-River Falls	College of Agriculture, Food and Environmental Sciences	Dr. William Anderson	✓	NLG	
West Virginia University	College of Agriculture, Forestry and Consumer Sciences	Dr. Dennis K. Smith	✓	1862	NAPFSC, SAF
University of Wyoming	College of Agriculture	Dr. James K. Wangberg	✓	1862	NAPFSC

Key to response codes:

✓ Respondent

✗ Refused to respond

◆ Data not available

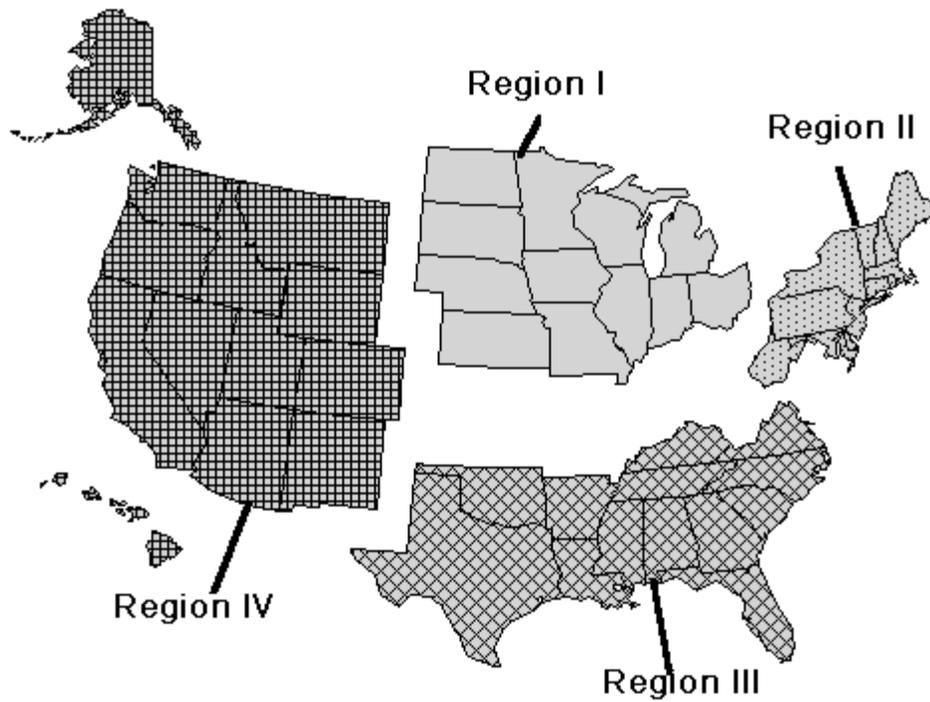
NLG = Non Land-Grant

NAPFSC = National Association of Professional Forestry Schools and Colleges

SAF = Society of American Foresters

## Appendix C

### National Association of State Universities and Land Grant Colleges (NASULGC) Regions



Northern  
Region I

North Eastern  
Region II

Southern  
Region III

Western  
Region IV

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Illinois  
Iowa  
Indiana  
Kansas  
Michigan  
Minnesota  
Missouri  
Nebraska  
North Dakota  
Ohio  
South Dakota  
Wisconsin

---

Connecticut  
Delaware  
District of Columbia  
Maine  
Maryland  
Massachusetts  
New Hampshire  
New Jersey  
New York  
Pennsylvania  
Rhode Island  
Vermont  
West Virginia

---

Alabama  
Arkansas  
Florida  
Georgia  
Kentucky  
Louisiana  
Mississippi  
North Carolina  
Oklahoma  
South Carolina  
Tennessee  
Texas  
Virginia  
Puerto Rico  
Virgin Islands

---

Alaska  
Arizona  
California  
Colorado  
Hawaii  
Idaho  
Montana  
Nevada  
New Mexico  
Oregon  
Utah  
Washington  
Wyoming  
Guam  
Micronesia



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## Appendix D

### SURVEY METHODOLOGY ACADEMIC YEAR 2000/2001 SURVEY OF CURRENT FACULTY IN AGRICULTURE, RENEWABLE NATURAL RESOURCES AND FORESTRY

#### Survey Responsibility

Memorandums of Understanding between FAEIS and the American Association of State Colleges of Agriculture and Renewable Resources (AASCARR), the National Association of State Universities and Land Grant Colleges/Academic Committee on Organization and Policy/Academic Programs Section (NASULGC/ACOP/APS), the National Association of Professional Forestry Schools and Colleges (NAPFSC) and the Society of American Foresters (SAF) support association surveys on new faculty. The associations meet periodically to revise the survey taxonomy and make any additions or deletions necessary. The association groups work to evaluate changing information needs and to prepare information in more effective formats for the association memberships. Each association defines its survey population annually.

#### Scope

The purpose is to centralize agriculture, renewable natural resources and forestry information at a single location, and use these data to provide accurate, reliable summary information to the agriculture, renewable natural resources and forestry higher education user community. Administrators of higher education programs in agriculture, renewable natural resources and forestry can access information on current faculty by 13 academic areas and 99 academic specializations. This information can be utilized to estimate demand for future faculty, assess the status and demographics of the emerging faculty and determine a comparative base for faculty development.

#### Dissemination

The Survey of Current Faculty in Agriculture, Renewable Natural Resources and Forestry was mailed on October 10, 2000, with a due date of December 15, 2000. The survey and instructions were mailed to each institution identified by the American Association of State Colleges of Agriculture and Renewable Resources (AASCARR), the National Association of State Universities and Land-Grant Colleges/Academic Committee on Organization and Policy/Academic Programs Section (NASULGC/ACOP/APS), the National Association of Professional Forestry Schools and Colleges (NAPFSC), and the Society of American Foresters (SAF).

#### Follow-up

On December 8, 2000, FAEIS staff e-mailed each non-respondent to encourage participation. A reminder was e-mailed to each non-respondent in January, 2001 and February, 2001. Personal phone calls were made in the last two weeks of February, 2001 to non-respondents who responded last year reminding them to send in their surveys. FAEIS Panel of Experts representatives contacted non-respondents by mail or personal contacts in February and March, 2001.

#### Verification

When a survey is received in the FAEIS office, it is dated and entered into the database. The survey is then matched with previous years' responses and FAEIS staff examine each item in the survey line by line to detect any data discrepancies. When all response has been entered, final verification programs are run and summary reports generated. These summary reports are carefully examined for inconsistencies and other anomalies to identify any potential discrepancies.

#### Data Maintenance

Housed at Texas A&M University, FAEIS operates and maintains data through a cooperative agreement with USDA/CSREES/SERD/Higher Education Programs. These data are grouped by academic specialization using the Classification of Instructional Programs (CIPs) codes and professional association and can be broken down by gender, race/ethnicity and citizenship. Agriculture, forestry and renewable natural resource data are made available through annual reports, the FAEIS ON-LINE, the electronic version of FAEIS, and personalized information requests.

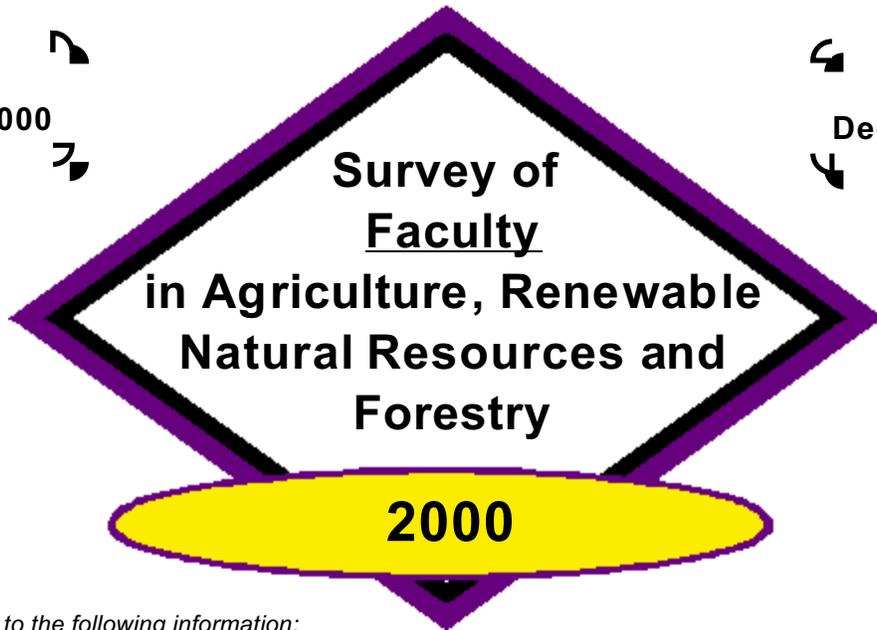


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Due Date:  
December 15, 2000

Due Date:  
December 15, 2000



Please show any corrections to the following information:

**ADMINISTRATIVE CONTACT:**

**PHONE:**

**FAX:**

**EMAIL:**

**University Name:**

**Dept Name:**

Person Completing Form: \_\_\_\_\_

Title: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Email: \_\_\_\_\_ Date Survey Completed: \_\_\_\_\_

Attach this page to your completed survey form and return by December 15, 2000 to:

**F A E I S**

Dept. of Agricultural Economics  
Texas A&M University  
2124 TAMU  
College Station, Texas 77843-2124  
FAX: (979) 845-4722



If you have any questions or need help filling out the survey form, feel free to call Sheri Whatley at the FAEIS office at (979) 845-5068 or send us a note via e-mail: [ssw@tamu.edu](mailto:ssw@tamu.edu)

**These data will be incorporated into the Food and Agricultural Education Information System (FAEIS)**

For FAEIS office use only:  
AASCARR \_\_\_\_\_ NASULGC/ACOP/APS \_\_\_\_\_ NAPFSC: \_\_\_\_\_ SAF: \_\_\_\_\_  
rcd: \_\_\_\_\_ ckd: \_\_\_\_\_ pvfd: \_\_\_\_\_ vfd: \_\_\_\_\_  
ent: \_\_\_\_\_  
ini: \_\_\_\_\_ ini: \_\_\_\_\_ ini: \_\_\_\_\_ ini: \_\_\_\_\_ ini: \_\_\_\_\_  
**VERIFICATION NOTES:** \_\_\_\_\_



## Instructions for the

# SURVEY OF FACULTY IN AGRICULTURE, RENEWABLE NATURAL RESOURCES AND FORESTRY

## GENERAL

Please provide complete data for your college or department on Part 1, Part 2, and Part 3 of this form. If you obtain data from individual departments, compile and submit one summary report for your entire unit. Return the completed survey form by **December 15, 2000**.

This information will be incorporated into the Food and Agricultural Education Information System (FAEIS). Results will be provided through annual reports, FAEIS ON-LINE - the electronic version of FAEIS and through personalized information requests.

### Part 1. Current Resident Instruction Faculty in Agriculture, Renewable Natural Resources and Forestry, Academic Year 1999/2000

Part 1 requests information for current faculty for the **1999/2000 ACADEMIC YEAR**.

 If you responded to the 1999/2000 Faculty Study, your 1999/2000 data *have been provided* for you to **CORRECT, DELETE** or **EDIT**.

1. If ALL columns (1 - 7) are correct, mark an "x" in the **CORRECT** box.
2. If the faculty member is no longer administered by your unit or no longer has any resident instruction responsibilities, please mark an "x" in the **DELETE** box.
3. If there are any changes to the existing information for a faculty member, write in any changes on the blank line below each entry. (Changes might include updates to salaries, CIP appointments, FTE allocations or any other variable reported for an individual faculty member). If you have any questions about particular variables, please refer to the instructions for Part 1.
4. If you have faculty *not included in this response*, please provide data for each faculty member on the attached blank survey form. Instructions for filling out Part 1 follow. Please double check the salary, rank, citizen, appointment status and degree columns.
5. **Do** include NEW FACULTY HIRED for Academic Year 1999/2000 in this section !!! Faculty Members will appear in the CURRENT FACULTY **and** the NEW FACULTY HIRED sections of the survey

 If you did not return your 1999/2000 Faculty Study, please read the following instructions:  
Instructions for filling out Part 1.

Provide data for all *faculty responsible for resident instruction (teaching) and administration of resident instruction programs*. Do not report personnel on sabbatical, leave without pay, clerical staff, or support staff. In Part I, do not report FTE's budgeted for research or extension. Salary data from this section will be released in aggregate academic specialization form only. **Please note: the reverse side of the survey page contains hints and definitions to assist you in completing the survey forms.**

#### Column Headings for Part 1

- (1) Arbitrarily assign a UNIQUE IDENTIFICATION NUMBER to all resident instruction personnel employed for the 1999/2000 Academic Year. *Use only one line to record each identification number and all data for a given individual.* Copy extra pages if necessary.
- (2) Please complete the DATE OF BIRTH column. Provide the month and year for each faculty member. This information is used to gain an overall age trend of the faculty in Agricultural, Renewable Natural Resources and Forestry. These data will aid in the determination of potential faculty shortages or surpluses. Without date of birth information, the individual cannot be included in certain summary portions of the report.
- (3) Demographic Information. Complete the CITIZENSHIP/GENDER/RACE/ETHNICITY, RANK, HIGHEST DEGREE, and APPOINTMENT STATUS columns with the appropriate Response Codes found on page 4. **Please double check this code for each faculty member reported. Please check the reverse side of the survey page for the response codes, definitions and hints to assist you in completing the survey forms.**
- (4) Determine the APPOINTMENT TERM by rounding the length of appointment to the nearest month (e.g. 4, 10 or 12 month appointment).

(5) MONTHLY SALARY.

- a. For resident instruction personnel who hold a *full-time and part-time university appointment*, report *total monthly salary from all university sources*.
- b. For resident instruction personnel holding a 12 month appointment but who are required to work only 11 months, divide the annual salary by 12 to compute the monthly salary.

Additional examples:

- a full-time faculty member with a 10 month appointment term earns \$ 50,000 per year paid out over 12 months . Report:
  - 10 month appointment
  - \$5,000 monthly salary
- a part-time faculty member with a 3 month appointment earns \$ 20,000 per year. Report:
  - 3 month appointment
  - \$6,666 monthly salary
- a faculty member with a 12 month appointment earns \$ 75,000 per year. Report:
  - 12 month appointment
  - \$6,250 monthly salary

- c. Round monthly salary to nearest dollar. Do not include fringe benefits.
- d. Do not artificially annualize salaries. The monthly salary reported will be multiplied by the appointment term to obtain an annual salary.

(6) RESIDENT INSTRUCTION TEACHING APPOINTMENTS

Resident instruction teaching appointments should be recorded using the Classification of Instructional Programs (CIPS) and Full-Time Equivalents (FTE's) budgeted for teaching by academic specializations (specific subject matter areas). Appointments should be *split* among academic specializations in accordance with budgeted FTE's. Space is provided on the form for *recording as many as 3 split appointments for resident instruction*.

*Determining CIPs codes and FTEs.*

Follow the enclosed Academic Specializations in Agriculture, Renewable Natural Resources and Forestry to identify the Classification of Instructional Programs (CIPS) and definitions. Use specific subject matter areas (courses) for which a resident instruction faculty member is budgeted to teach.

Compute the full-time equivalent (FTE) using the method currently employed by your institution (e.g., 1.00, .75, .20).

*In instances where your program differs from this classification system, strive to achieve the best possible match based on descriptions of academic specializations rather than program titles or departmental organizational structure at your institution.*

(7) RESIDENT INSTRUCTION ADMINISTRATION APPOINTMENTS

Resident instruction administration appointments should be recorded as that portion of a CIPS and FTE budgeted for administering teaching programs. Taxonomy of Academic Specializations and CIPs codes are provided with your survey instruments.

- a. If an administration FTE is not split for budgetary purposes but an individual is responsible for administering teaching, research, and extension programs, report one-third of the administrative load as the FTE for administration of resident instruction.
- b. Report CIPs code 02.0101 (Agricultural Sciences, General) for college deans and associate/assistant deans.
- c. For department chairpersons/heads report the code for the most general academic specialization representative of the department administered.

**Part 2. New Faculty Hired in Agriculture, Renewable Natural Resources & Forestry in Academic Year 1999/2000**

- 1. If you hired **NO NEW FACULTY FOR ACADEMIC YEAR 1999/2000**, please check the appropriate box and return the survey form.
- 2. Provide summary data for all **NEW FACULTY** hired for the **1999/2000 ACADEMIC YEAR (Fall 1999, Spring 2000, Summer 2000)**. Do not report responses for clerical staff, support personnel, or graduate assistants. Definitions for column headings and Response Codes are provided on the page 4. **Please note the reverse side of the survey page contains hints and definitions to assist you in completing the survey forms.**

NOTE: **NEW FACULTY HIRED for Academic Year 1999/2000 will appear in BOTH the CURRENT FACULTY and the NEW FACULTY HIRED sections of the survey.**

Column Headings for Part 2

- (1) Arbitrarily assign an UNIQUE IDENTIFICATION NUMBER to each **NEW** person with resident instruction responsibility employed. *Use only one line to record each identification number and all data for a given individual.* Please report extension and research information as it occurs or those individuals with a resident instruction appointment.
- (2) Please complete the DATE OF BIRTH column. Please provide the month and year of birth for New Faculty hired. These data will aid in the determination of potential faculty shortages or surpluses and be used to gain an overall age trend of new faculty hired in Agriculture, Renewable Natural Resources and Forestry. Without a date of birth, information for this individual cannot be included in certain summary portions of the report.
- (3) Demographic Information. Complete the CITIZENSHIP/GENDER/RACE/ETHNICITY, RANK, HIGHEST DEGREE, and APPOINTMENT STATUS columns with the appropriate Response Codes. **Please check the reverse side of the survey page for the response codes, definitions and hints to assist you in completing the survey forms.**
- (4) Determine the APPOINTMENT TERM by rounding the length of appointment to the nearest month (e.g. 4, 10 or 12 month).
- (5) Report the total MONTHLY SALARY for each new faculty member from all university sources. Report annual salary to the nearest dollar. Do not include fringe benefits. **Do not artificially annualize salaries.** See Part 1 (Current Faculty) item 5 for examples.
- (6) RESIDENT INSTRUCTION TEACHING APPOINTMENT - Record the portion of the faculty member's FTE budgeted for teaching by CIPS code (academic specialization). Use the enclosed Taxonomy of Academic Specializations in Agriculture, Renewable Natural Resources and Forestry to identify the "closest match" for your programs using the U.S. Department of Education's Classification of Instructional Programs (CIPs) Codes. Please indicate split appointments by entering data in the appropriate CIPS CODE column.

**CIPS CODE** - Please follow the enclosed list of Academic Specializations to identify classification of Instructional Programs (CIPS) and definitions. Use specific subject matter areas (courses) for which a resident instruction faculty member is budgeted to teach.

**FTE** - Full-time equivalent as defined by your institution

*In instances where your program differs from this classification system, strive to achieve the best possible match based on descriptions of academic specializations rather than program titles or departmental organizational structure at your institution.*

- (7) EXTENSION APPOINTMENT - Record CIPS and FTE information for faculty with extension appointments within your college/school.
- (8) RESEARCH APPOINTMENT - Record CIPS and FTE information for faculty with research appointments within the college/school. Include experiment station appointments in this category.
- (9) ADMINISTRATIVE APPOINTMENT - Record CIPS and FTE information for faculty budgeted for administering resident instruction teaching, extension or research programs. Report the most general applicable CIPS codes for deans and associate/assistant deans. For unit/ department heads, report the most general CIPs code representative of the department administered.

### **Part 3. Total Faculty and Graduate Assistants in Agriculture, Renewable Natural Resources and Forestry, Academic Year 2000/2001**

1. Provide summary data for budgeted full-time equivalents (FTE) filled by faculty, professionals, administrators, and graduate assistants *with academic appointments in Agriculture, Renewable Natural Resources and Forestry*. Provide information for Forestry only if Forestry programs are administered by the College of Agriculture and/or Renewable Natural Resources.
  - a. **Resident Instruction** - Total FTE's *budgeted* for resident instruction appointments.
  - b. **Cooperative Extension** - Total FTE's *budgeted* for *campus-based* cooperative extension appointments.
  - c. **Research** - Total FTE's *budgeted* for research appointments.
  - d. **Other** - Total FTE's *budgeted* for other appointments than those listed above.
2. Definitions for column headings are the following:
 

**Graduate Assistant** - Graduate Assistant *employed by your college or school* for purpose of assisting with resident instruction, research, or Cooperative Extension.
3. Compute full-time equivalent (FTE) using the method currently employed by your institution (e.g., 1.00, .75, .20).

**Some tips for filling out the surveys.....**

- ❖ Consistency **Is** Important! FAEIS Verifies Each Survey Instrument by Comparing the Survey with the Previous Year's Response.
- ❖ Keep a Copy of the Survey Instrument for Your Records. Why? Surveys Have Been Known to Get Lost in the Mail And Keeping a Copy Will Make Filling out the next Year's Survey Much Easier.
- ❖ Confused? Call Us -- We Will Be Glad to Answer Questions and Help You Fill out the Survey Forms.

Sheri Stebenne Whatley  
*Project Coordinator*  
 FAEIS  
 Phone: (979) 845-5068  
 email: ssw@tamu.edu

## GENERAL DEFINITIONS FOR FILLING OUT THE SURVEYS

**CURRENTLY EMPLOYED RESIDENT INSTRUCTION FACULTY** - ALL FACULTY WITH RESIDENT INSTRUCTION ASSIGNMENTS FOR THE ACADEMIC YEAR 1999/2000. INCLUDE SPLIT APPOINTMENTS AND FACULTY WITH ADMINISTRATIVE APPOINTMENTS. DO NOT INCLUDE STAFF OR SUPPORT PERSONNEL.

**NEW FACULTY HIRED** - NEW FACULTY HIRED DURING ACADEMIC YEAR 1999/2000. INCLUDE SPLIT APPOINTMENTS AND FACULTY HIRED WITH ADMINISTRATIVE APPOINTMENTS. **PLEASE SEE ADDITIONAL INSTRUCTIONS FOR THIS SECTION.**

**ACADEMIC YEAR 1999/2000** - FALL 1999, SPRING 2000, SUMMER 2000

**ACADEMIC YEAR 2000/2001** - FALL 2000, SPRING 2001, SUMMER 2001

**UNIQUE IDENTIFICATION NUMBER** - AN ARBITRARILY ASSIGNED INDIVIDUAL NUMBER FOR SURVEY AND REPORTING PURPOSES ONLY. INTENDED TO PROTECT PRIVACY BY SERVING IN LIEU OF NAME.

**DATE OF BIRTH** - PLEASE PROVIDE MONTH AND YEAR OF BIRTH. THESE DATA WILL AID IN THE DETERMINATION OF POTENTIAL FACULTY SHORTAGES OR SURPLUSES AND BE USED TO GAIN AN OVERALL AGE TREND OF FACULTY.

**DEMOGRAPHICS** - SEE RESPONSE CODES BELOW.

**CITIZENSHIP** - GENDER, CITIZENSHIP, RACE/ETHNICITY.

**APPOINTMENT STATUS** - DESIGNATION OF APPOINTMENT AS EITHER FULL- OR PART-TIME TENURED, TENURE TRACK OR NON-TENURED FACULTY IN ACCORDANCE WITH POLICY AT YOUR INSTITUTION/SYSTEM. TENURE TRACK FACULTY WHO HAVE **NOT** ACHIEVED TENURED STATUS WOULD BE RECORDED AS **NON-TENURED** FACULTY.

**RANK** - ACADEMIC RANK OF EACH FACULTY MEMBER (PROFESSOR, ASSOCIATE, ASSISTANT, INSTRUCTOR OR OTHER (SUCH AS LECTURER)).

**HIGHEST DEGREE** - HIGHEST ACADEMIC DEGREE OBTAINED BY THE FACULTY MEMBER .

**APPOINTMENT TERM** - LENGTH OF APPOINTMENT ROUNDED TO THE NEAREST MONTH (E.G. 9, 10 OR 12 MONTH APPOINTMENT).

**MONTHLY SALARY** - REPORT THE TOTAL MONTHLY SALARY FOR EACH FACULTY MEMBER FROM ALL UNIVERSITY SOURCES. DO NOT INCLUDE FRINGE BENEFITS.

**RESIDENT INSTRUCTION TEACHING APPOINTMENT** - RECORD THE PORTION OF THE FACULTY MEMBER'S FTE BUDGETED FOR TEACHING BY CIPS CODE (ACADEMIC SPECIALIZATION).

**CIPS CODE** - PLEASE FOLLOW THE ENCLOSED LIST OF ACADEMIC SPECIALIZATIONS TO IDENTIFY CLASSIFICATION OF INSTRUCTIONAL PROGRAMS (CIPS) AND DEFINITIONS. USE SPECIFIC SUBJECT MATTER AREAS (COURSES) FOR WHICH A RESIDENT INSTRUCTION FACULTY MEMBER IS BUDGETED TO TEACH.

**FTE** - FULL-TIME EQUIVALENT AS DERNED BY YOUR INSTITUTION

**EXTENSION APPOINTMENT** - RECORD CIPS AND FTE INFORMATION FOR FACULTY WITH EXTENSION APPOINTMENTS WITHIN YOUR COLLEGE/SCHOOL.

**RESEARCH APPOINTMENT** - RECORD CIPS AND FTE INFORMATION FOR FACULTY WITH RESEARCH APPOINTMENTS WITHIN THE COLLEGE/SCHOOL. INCLUDE EXPERIMENT STATION APPOINTMENTS IN THIS CATEGORY.

**ADMINISTRATIVE APPOINTMENT** - RECORD CIPS AND FTE INFORMATION FOR FACULTY BUDGETED FOR ADMINISTERING RESIDENT INSTRUCTION TEACHING , EXTENSION OR RESEARCH PROGRAMS. REPORT THE MOST GENERAL APPLICABLE CIPS CODES FOR DEANS AND ASSOCIATE/ASSISTANT DEANS. FOR UNIT/ DEPARTMENT HEADS, REPORT THE MOST GENERAL CIPS CODE REPRESENTATIVE OF THE DEPARTMENT ADMINISTERED.

## RESPONSE CODES

### CITIZENSHIP, GENDER, RACE/ETHNICITY

- 11 - U.S. CITIZEN, MALE, CAUCASIAN (NOT HISPANIC)
- 12 - U.S. CITIZEN, MALE, BLACK OR AFRICAN AMERICAN
- 13 - U.S. CITIZEN, MALE, HISPANIC OR LATINO
- 14 - U.S. CITIZEN, MALE, ASIAN
- 15 - U.S. CITIZEN, MALE, AMERICAN INDIAN OR ALASKAN NATIVE
- 16 - U.S. CITIZEN, MALE, NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER
- 17 - NON-U.S. CITIZEN, MALE

- 21 - U.S. CITIZEN, FEMALE CAUCASIAN (NOT HISPANIC)
- 22 - U.S. CITIZEN, FEMALE, BLACK OR AFRICAN AMERICAN
- 23 - U.S. CITIZEN, FEMALE, HISPANIC OR LATINO
- 24 - U.S. CITIZEN, FEMALE, ASIAN
- 25 - U.S. CITIZEN, FEMALE, AMERICAN INDIAN OR ALASKAN NATIVE
- 26 - U.S. CITIZEN, FEMALE, NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER
- 27 - NON-U.S. CITIZEN, FEMALE

RANK	HIGHEST DEGREE	APPOINTMENT STATUS
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- 1 - PROFESSOR
- 4 - ASSOCIATE PROFESSOR
- 7 - ASSISTANT PROFESSOR
- 10 - INSTRUCTOR
- 12 - OTHER FACULTY (E.G. LECTURERS OR VISITING PROFESSORS)

- 1 - DOCTORATE (PH.D., SC.D., ED.D., D.F., J.D., D.B.A., D.E., M.D., D.D.S., D.V.M., ETC)
- 2 - MASTERS
- 3 - BACCALAUREATE

- 1 - FULL-TIME TENURED
- 2 - FULL-TIME TENURE TRACK - NOT YET TENURED
- 3 - FULL-TIME NON-TENURED
- 4 - PART-TIME TENURED
- 5 - PART-TIME TENURE TRACK - NOT YET TENURED
- 6 - PART-TIME NON-TENURED



**Part 2. New Faculty Hired in Agriculture, Renewable Natural Resources and Forestry for Academic Year 1999/2000**

These Faculty should also appear in Part 1.

**No New Faculty Hired**

(1) Unique ID Number	(2) Date of Birth (Mo/Yr)	(3) Use Response Codes on Back of This Page				(4) Appt. Term	(5) Annual Salary <sup>1</sup> (Appt. Term x Monthly Sal = Annual Salary <sup>1</sup> )	(6) Resident Instruction Teaching Appointment <sup>2</sup>				(7) Extension Appointment <sup>2</sup>		(8) Research Appointment <sup>2</sup>		(9) Administrative Appointment <sup>2</sup>	
		Citizen-ship	Rank	Highest Degree	Appt. Stat			CIPS CODE (A)	FTE (A)	CIPS CODE (B)	FTE (B)	CIPS CODE (C)	FTE (C)	CIPS CODE (D)	FTE (D)	CIPS CODE (E)	FTE (E)
e.g. 01	09/63	21	1	1	2	9	\$ 56,789	13.1301	.30	02.0192	.70	.	.	.	.	.	.
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1 Report the faculty member's actual salary for the 12 month period. Do not artificially annualize salaries even if salaries are paid out over a different time period that the academic appointment term. See instructions for additional information.

2 Please see the attached list of Academic Specializations for CIPs codes and definitions.

\* Individual data will remain strictly confidential. Data will be released in summary form only.

**\* Please Make Additional Copies if Necessary**

# C H e a t Sheet

## Complete Hints for Easy Answers To the survey

### General Definitions:

**NEW FACULTY HIRED** - NEW FACULTY HIRED DURING ACADEMIC YEAR 1999/2000. INCLUDE SPLIT APPOINTMENTS AND FACULTY HIRED WITH ADMINISTRATIVE APPOINTMENTS. **PLEASE SEE ADDITIONAL INSTRUCTIONS FOR THIS SECTION.**

**ACADEMIC YEAR 1999/2000** - FALL 1999, SPRING 2000, SUMMER 2000

### Column Definitions

- (1) **UNIQUE IDENTIFICATION NUMBER** - AN ARBITRARILY ASSIGNED INDIVIDUAL NUMBER FOR SURVEY AND REPORTING PURPOSES ONLY. INTENDED TO PROTECT PRIVACY BY SERVING IN LIEU OF NAME.
- (2) **DATE OF BIRTH** - PLEASE PROVIDE MONTH AND YEAR OF BIRTH. THESE DATA WILL AID IN THE DETERMINATION OF POTENTIAL FACULTY SHORTAGES OR SURPLUSES AND BE USED TO GAIN AN OVERALL AGE TREND OF FACULTY.
- (3) **DEMOGRAPHICS** - SEE RESPONSE CODES BELOW.
- CITIZENSHIP** - GENDER, CITIZENSHIP, RACE/ETHNICITY.
- APPOINTMENT STATUS** - DESIGNATION OF APPOINTMENT AS EITHER FULL- OR PART-TIME TENURED, TENURE TRACK OR NON-TENURED FACULTY IN ACCORDANCE WITH POLICY AT YOUR INSTITUTION/SYSTEM.
- RANK** - ACADEMIC RANK OF EACH FACULTY MEMBER (PROFESSOR, ASSOCIATE, ASSISTANT, INSTRUCTOR OR OTHER (SUCH AS LECTURER)).
- HIGHEST DEGREE** - HIGHEST ACADEMIC DEGREE OBTAINED BY THE FACULTY MEMBER.
- (4) **APPOINTMENT TERM** - LENGTH OF APPOINTMENT ROUNDED TO THE NEAREST MONTH (E.G. 9, 10 OR 12 MONTH APPOINTMENT).

- (5) **MONTHLY SALARY** - REPORT THE TOTAL MONTHLY SALARY FOR EACH FACULTY MEMBER FROM ALL UNIVERSITY SOURCES. DO NOT INCLUDE FRINGE BENEFITS. DO NOT ARTIFICIALLY ANNUALIZE SALARIES.
- (6) **RESIDENT INSTRUCTION TEACHING APPOINTMENT** - RECORD THE PORTION OF THE FACULTY MEMBER'S FTE BUDGETED FOR TEACHING BY CIPS CODE (ACADEMIC SPECIALIZATION).
- CIPS CODE** - PLEASE FOLLOW THE ENCLOSED LIST OF ACADEMIC SPECIALIZATIONS TO IDENTIFY CLASSIFICATION OF INSTRUCTIONAL PROGRAMS (CIPS) AND DEFINITIONS. USE SPECIFIC SUBJECT MATTER AREAS (COURSES) FOR WHICH A RESIDENT INSTRUCTION FACULTY MEMBER IS BUDGETED TO TEACH.
- FTE** - FULL-TIME EQUIVALENT AS DEFINED BY YOUR INSTITUTION
- (7) **EXTENSION APPOINTMENT** - RECORD CIPS AND FTE INFORMATION FOR FACULTY WITH EXTENSION APPOINTMENTS WITHIN YOUR COLLEGE/SCHOOL.
- (8) **RESEARCH APPOINTMENT** - RECORD CIPS AND FTE INFORMATION FOR FACULTY WITH RESEARCH APPOINTMENTS WITHIN THE COLLEGE/SCHOOL. INCLUDE EXPERIMENT STATION APPOINTMENTS IN THIS CATEGORY.
- (9) **ADMINISTRATIVE APPOINTMENT** - RECORD CIPS AND FTE INFORMATION FOR FACULTY BUDGETED FOR ADMINISTERING RESIDENT INSTRUCTION TEACHING, EXTENSION OR RESEARCH PROGRAMS. REPORT THE MOST GENERAL APPLICABLE CIPS CODES FOR DEANS AND ASSOCIATE/ASSISTANT DEANS. FOR UNIT/DEPARTMENT HEADS, REPORT THE MOST GENERAL CIPS CODE REPRESENTATIVE OF THE DEPARTMENT ADMINISTERED.

### Response Codes ( Column 3 )

#### CITIZENSHIP, GENDER, RACE/ETHNICITY

- |  |  |
|--|--|
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#### RANK

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 7 - ASSISTANT PROFESSOR  
 10 - INSTRUCTOR  
 12 - OTHER FACULTY (E.G. LECTURERS, VISITING PROFESSORS)

#### HIGHEST DEGREE

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 2 - MASTERS  
 3 - BACCALAUREATE

#### APPOINTMENT STATUS

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 5 - PART-TIME TENURE TRACK - NOT YET TENURED  
 6 - PART-TIME NON-TENURED

**Have questions? Need More Hints? Call FAEIS: (979) 845-5068 or send us email: [ssw@tamu.edu](mailto:ssw@tamu.edu)**

**PART 3. TOTAL FACULTY and GRADUATE ASSISTANT FULL-TIME EQUIVALENTS IN  
AGRICULTURE, RENEWABLE NATURAL RESOURCES AND FORESTRY**  
**Academic Year 2000/2001**

**INSTRUCTIONS**

1. Provide summary data for budgeted full-time equivalents (FTE) filled by faculty, professionals, administrators, and graduate assistants *with academic appointments in the College of Agriculture and/or Renewable Natural Resources*. Provide information for Forestry only if Forestry programs are administered by the College of Agriculture and/or Renewable Natural Resources.
  - a. **Resident Instruction** - Total FTE's *budgeted* for resident instruction appointments.
  - b. **Cooperative Extension** - Total FTE's *budgeted* for *campus-based* Cooperative Extension appointments.
  - c. **Research** - Total FTE's *budgeted* for research appointments.
  - d. **Other** - Total FTE's *budgeted* for other appointments than those listed above.
2. Definitions for column headings are provided on page 5.
3. Compute full-time equivalent (FTE) using the method currently employed by your institution (e.g., 1.00, .75, .20).

**SURVEY INSTRUMENT**

Function	Agriculture/Renewable Natural Resources (Please exclude Forestry)		Forestry	
	Please report using Full-time Equivalents		Please report using Full-time Equivalents	
	Faculty	Graduate Assistants	Faculty	Graduate Assistants
Total Resident Instruction	.	.	.	.
Total Cooperative Extension Service (Campus Based)	.	.	.	.
Total Research Agricultural Experiment Station	.	.	.	.
Other than Agricultural Experiment Station	.	.	.	.