FAEIS Veterinary Medicine CIPS with Definitions

Content Taken from the National Center for Education Statistics Classification of Instructional Programs – 2010

51.0808 Veterinary/Animal Health Technology/Technician and Veterinary Assistant. (No substantive changes)
A program that prepares individuals, under the supervision of veterinarians, laboratory animal specialists, and zoological professionals, to provide patient management, care, and clinical procedures assistance as well as owner communication. Includes instruction in animal nursing care, animal health and nutrition, animal handling, clinical pathology, radiology, anesthesiology, dental prophylaxis, surgical assisting, clinical laboratory procedures, office administration skills, patient and owner management, and applicable standards and regulations.

51.1104 Pre-Veterinary Studies. (No substantive changes)
A program that prepares individuals for admission to a professional program in veterinary medicine.

51.2401 Veterinary Medicine. (No substantive changes)
A program that prepares individuals for the independent professional practice of veterinary medicine, involving the diagnosis, treatment, and health care management of animals and animal populations and the prevention and management of zoonosis. Includes instruction in the veterinary basic sciences, infectious and noninfectious disease, diagnostic procedures, veterinary clinical medicine, obstetrics, radiology, anesthesiology, surgery, toxicology, animal health and preventive medicine, clinical nutrition, practice management, and professional standards and ethics.
Examples:
- Veterinary Medicine (DVM)

51.25 Veterinary Biomedical and Clinical Sciences. (No substantive changes)
Instructional content for this group of programs is defined in codes 51.2501 - 51.2599.

51.2501 Veterinary Sciences/Veterinary Clinical Sciences, General. (No substantive changes)
An integrated program of study in one or more of the veterinary medical or clinical sciences or a program undifferentiated as to title.
Examples:
- Veterinary Sciences/Veterinary Clinical Sciences, General (Cert.)
- Veterinary Sciences/Veterinary Clinical Sciences, General (MS)
- Veterinary Sciences/Veterinary Clinical Sciences, General (PhD)

51.2502 Veterinary Anatomy. (No substantive changes)
A program that focuses on the scientific study of the structure of small and large animal cellular, organ,
tissue, and body systems and their relation to physiologic function, disease, and therapeutic treatment. Includes instruction in histology, ultrastructure, molecular biology, biochemistry, developmental biology, neuroscience, electrophysiology, electron microscopy, computer imaging, and applications to specific species.

Examples:
- Veterinary Anatomy (Cert.)
- Veterinary Anatomy (MS)
- Veterinary Anatomy (PhD)

51.2503 Veterinary Physiology. (No substantive changes)
A program that focuses on the scientific study of the functional dynamics of animal biological systems and their relationship to the diagnosis and treatment of disease and injury. Includes instruction in mammalian and non-mammalian physiology, laboratory physiology, physiological responses to the environment, endocrinology, animal biotechnology, mechanisms of hormone action, organ systems, metabolism, and pathophysiology.

Examples:
- Veterinary Physiology (Cert.)
- Veterinary Physiology (MS)
- Veterinary Physiology (PhD)

51.2504 Veterinary Microbiology and Immunobiology. (No substantive changes)
A program that focuses on the scientific study of the microbial causation and immunologic processes related to animal disease, prevention, and treatment. Includes instruction in bacteriology, mycology, virology, immune response mechanisms, humoral and cell function, cancer defenses, immune system dysfunction, immunologic diseases, parasitology, pathogenesis, and disease vectors.

Examples:
- Veterinary Microbiology and Immunobiology (Cert.)
- Veterinary Microbiology and Immunobiology (MS)
- Veterinary Microbiology and Immunobiology (PhD)

51.2505 Veterinary Pathology and Pathobiology. (No substantive changes)
A program that focuses on the scientific study of the development and process of disease in domestic and wild animals and applications to diagnosis, prevention, and treatment. Includes instruction in pathogenesis, immunoparasitology, viral therapy, inherited metabolic diseases, environmental toxicology, anatomical and clinical pathology, necropsy and biopsy techniques, clinical laboratory analysis, pathological interpretation, and disease diagnosis.

Examples:
- Veterinary Pathology and Pathobiology (Cert.)
- Veterinary Pathology and Pathobiology (MS)
- Veterinary Pathology and Pathobiology (PhD)
51.2506 Veterinary Toxicology and Pharmacology. (No substantive changes)
A program that focuses on the scientific study of specific environmental and food hazards affecting domestic and wild animals and the development and action of chemical antidotes and treatments. Includes instruction in small and large animal toxicology and pharmacology, neurotoxicology, pharmacodynamics, pharmacokinetics, neuropharmacology, xenobiotics, drug resistance, pesticides, toxicological pathology, genetic and molecular toxicology, environmental toxicology, drug and toxicant analysis and evaluation, and environmental radiology.
Examples:
- Veterinary Toxicology and Pharmacology (Cert.)
- Veterinary Toxicology and Pharmacology (MS), Veterinary Toxicology and Pharmacology (PhD)

51.2507 Large Animal/Food Animal and Equine Surgery and Medicine. (No substantive changes)
A program that focuses on the scientific study of the internal medicine and invasive and noninvasive treatment of herd, work, sport, and food animals. Includes instruction in equine medicine, swine and dairy medicine, food animal medicine, pathophysiology, large animal diseases, large animal anesthesiology and surgical procedures, preoperative and postoperative care, and specific medical specialties such as dentistry, ophthalmology, oncology, obstetrics/theriogenology, and orthopedics.
Examples:
- Large Animal/Food Animal and Equine Surgery and Medicine (Cert.)
- Large Animal/Food Animal and Equine Surgery and Medicine (MS)
- Large Animal/Food Animal and Equine Surgery and Medicine (PhD)

51.2508 Small/Companion Animal Surgery and Medicine. (No substantive changes)
A program that focuses on the scientific study of the internal medicine and invasive and noninvasive treatment of companion and household animals. Includes instruction in avian medicine, pet care, companion animal medicine, pathophysiology, small animal diseases, small animal anesthesiology and surgical procedures, preoperative and postoperative care, and specific medical specialties such as dentistry, ophthalmology, oncology, obstetrics/theriogenology, and orthopedics.
Examples:
- Small/Companion Animal Surgery and Medicine (Cert.)
- Small/Companion Animal Surgery and Medicine (MS)
- Small/Companion Animal Surgery and Medicine (PhD)

51.2509 Comparative and Laboratory Animal Medicine. (No substantive changes)
A program that focuses on the scientific study of animal models of human disease and related experimental procedures, and prepares veterinarians and animal health specialists to manage the laboratory use and care of experimental animals. Includes instruction in laboratory animal husbandry, laboratory animal disease, biohazard control, gnotobiology, breeding, comparative anatomy and physiology, comparative gene mapping, protein function, physical and mathematical modeling, computer modeling, stem cell technology, colony and genetic stock management, cryopreservation, applicable regulations, and bioethics.
Examples:
- Comparative and Laboratory Animal Medicine (Cert.)
- Comparative and Laboratory Animal Medicine (MS)
- Comparative and Laboratory Animal Medicine (PhD)

51.2510 Veterinary Preventive Medicine, Epidemiology, and Public Health. (No substantive changes)
A program that focuses on the study of the prevention and control of communicable animal diseases, diseases affecting humans, and prepares veterinarians to function as public health specialists. Includes instruction in animal epidemiology, biostatistics, food safety and quality assurance, food toxicology, zoonotic and infectious diseases, disease vectors and transference, production medicine, animal health, veterinary public health practice, and inspection and evaluation methods.
Examples:
- Veterinary Preventive Medicine, Epidemiology, and Public Health (Cert.)
- Veterinary Preventive Medicine, Epidemiology, and Public Health (MS)
- Veterinary Preventive Medicine, Epidemiology, and Public Health (PhD)

51.2511 Veterinary Infectious Diseases. (No substantive changes)
A program that focuses on the scientific study of zoonotic infectious diseases, disease mechanisms, and prevention and treatment strategies. Includes instruction in disease pathogenesis, vector biology, mycobacterial infection, blood parasites, retroviruses, food-borne diseases, new infectious agents, ecotoxicology, mechanisms of disease transfer, antibody resistance, comparative pathology, communicable diseases, and disease prevention and eradication.
Examples:
- Veterinary Infectious Diseases (Cert.)
- Veterinary Infectious Diseases (MS)
- Veterinary Infectious Diseases (PhD)

51.2599 Veterinary Biomedical and Clinical Sciences, Other. (No substantive changes)
Any instructional program in veterinary biomedical and clinical sciences not listed above.
Examples:
- Veterinary Biomedical and Clinical Sciences, Other (Cert.)
- Veterinary Biomedical and Clinical Sciences, Other (MS)
- Veterinary Biomedical and Clinical Sciences, Other (PhD)