

ANIMAL SCIENCE TECH LC/LB (ATEC)

ATEC 1671 Laboratory Animal Medicine**Credit Hours:** 2**Lab Fee:** Yes

This course introduces technical clinical aspects of laboratory animal care, including restraint and handling, common diseases, and nutrition. The animals studied include rabbits, mice, rats, guinea pigs, hamsters, and primates. Also discussed are institutional animal care and use in research facilities, basic physiologic characteristics, reproduction, common diseases of laboratory animals, regulations pertaining to laboratory animal care, and organizations that regulate laboratory animal care.

ATEC 2050 Small Animal Behavior**Credit Hours:** 2

This course discusses normal canine and feline behavior, learning theory, and behavior modification techniques. Causes and treatment of behavioral issues, by pharmacologic and other methods, will also be discussed. A general overview of normal and abnormal equine behavior will also be included.

ATEC 2722 Avian and Exotic Animal Medicine**Credit Hours:** 2**Prerequisites:** ATE 2638 and ATEL 2638 - both courses with a grade of "C" or higher**Lab Fee:** Yes

This course acquaints the student with the fundamentals of avian and exotic pet husbandry, physiology, management, and medicine. Reptiles, birds, and exotic mammals will be emphasized. Fish and amphibians will be introduced.

ATEC 4640 Laboratory Animals and the IACUC**Credit Hours:** 4**Prerequisites:** HSC 3741 a grade of "C" or higher**Lab Fee:** Yes

This course introduces students to care and handling of laboratory animals, use of animals as research models, and the history and composition of and necessity for the Institutional Animal Care and Use Committee (IACUC) in controlling research practices. The roles of groups such as the American Association for Laboratory Animal Science (AALAS), and Association for Assessment and Accreditation of Laboratory Animal Care international (AAALAC) will be discussed. Governmental control of laboratory animal research will also be discussed including the Animal Welfare Act (AWA), Good Laboratory Practices (GLP), Office for Laboratory Animal Welfare (OLAW), Institute of Laboratory Animal Resources (ILAR), and the roles of the United States Department of Agriculture Animal and Plant Health Inspection Service (USDA-APHIS), National Institutes of Health (NIH), and Food and Drug Administration (FDA).