



College of Veterinary Medicine

Joseph W. Alexander, D.V.M., Ph.D., *Dean*

J. Mack Oyler, D.V.M., Ph.D., Associate Dean and Professor

Eric I. Williams, F.R.C.V.S., M.S., Director of Admissions and Student Affairs

Dan E. Goodwin, D.V.M., Ph.D., Director of Animal Disease Diagnostic
Laboratory

Louie G. Stratton, D.V.M., Ph.D., Director of the Boren Veterinary Medical
Teaching Hospital

Donald D. Holmes, D.V.M., M.S., Director of Laboratory Animal Resources

Lloyd C. Faulkner, D.V.M., Ph.D., Director of Research

Department Heads Medicine and Surgery, Louie G. Stratton, Ph.D., D.V.M.,
(interim)

Parasitology, Microbiology, and Public Health, Robert W. Fulton, D.V.M.,
Ph.D. (interim)

Pathology, Lloyd C. Faulkner, D.V.M., Ph.D. (interim)

Physiological Sciences, James. E. Breazile, D.V.M., Ph.D. (interim)

Attainment of the degree of Doctor of Veterinary Medicine requires, at a minimum, six academic years of collegiate training. In preparation for the professional training the student must complete both prescribed and elective collegiate courses. The minimum prescribed preparatory studies, totaling 60 semester hours of course work; can be completed in two calendar years; but the chances of gaining entrance into veterinary medical college with only the minimum preparation are not great. Most of the entering veterinary medical students in recent years have had three years of preparatory training or a bachelor's degree. It is recommended that the student undertake an appropriate regular bachelor's degree program in the sciences, in the course of which he or she will complete the prerequisites for entry into the College of Veterinary Medicine by the end of at least the third year of preparatory training.

Preparatory Requirements. Collegiate course requirements for entry into veterinary medical college may be completed at any accredited university or college. At Oklahoma State University the requirements can be met by appropriate studies in either the College of Agriculture or the College of Arts and Sciences. Special pre-veterinary curricula are available at Oklahoma State University. Furthermore, both Colleges offer programs of study in pre-veterinary medical sciences which provide for the award of a B.S. degree after the first or second year of veterinary medical studies to those persons who gain early entry into a veterinary medical college.

Requests for information on pre-veterinary medical study programs and applications for admission to such programs should be addressed to the dean of either the College of Agriculture or the College of Arts and Sciences.

Listed below are the *minimum* collegiate course prerequisites for consideration for admission to the College of Veterinary Medicine.

English composition and technical/professional report writing-8 semester credit hours.

Chemistry-A minimum of 17 semester credit hours. All chemistry courses must include laboratory work. A *minimum* of 5 semester credit hours of organic chemistry is required. The course should be one designed for pre-veterinary, premedical and pre-dental students and must include both the aliphatic and aromatic series of organic compounds. A *minimum* of 4 semester credit hours of biochemistry (at least 3 hours lecture and 1 hour laboratory) is also required.

Physics-8 semester credit hours. Physics courses must include laboratory work and the following topics: mechanics, heat, sound, electricity, magnetism, light and modern physics.

Mathematics-3 semester credit hours. Mathematics courses must include the fundamental operations of algebra, exponents and radicals, simple equations, graphs, simultaneous equations, quadratic equations and logarithms.

Biological science-A minimum of 15 semester credit hours. Courses in zoology, botany, microbiology and genetics are required. These courses must include laboratory work. Comprehensive courses in biology will be considered but must be evaluated before credit is accepted.

Veterinary Medical Studies. Entering classes in veterinary medicine are restricted in enrollment and are admitted once yearly at the beginning of the fall term. Applications for admission must be submitted by mid-January.

Applicants who are legal residents of Oklahoma will be given first priority. However, beginning with the academic year 1985-86, up to ten percent of the first-year students may be selected from a pool of nonresident applicants. Questions about residency should be directed to the Office of Admissions, Oklahoma State University. Requests for application materials should be directed to the coordinator, Veterinary Medicine admissions, College of Veterinary Medicine.

Students are admitted as candidates for the Doctor of Veterinary Medicine degree on the basis of records of academic performance in preparatory studies, standard achievement tests, and personal interviews and references to determine personal characteristics and career motivation.

The veterinary curriculum extends over four calendar years. The first two academic years conform to the normal semester system of the University. The last two academic years are continuous, the fourth starting shortly after the third, and organized into six-week periods, with sectioning of the classes to provide for lower faculty-student ratio and for more efficient utilization of clinical facilities.

Medicine and Surgery

Professor and Interim Head *Louie G. Stratton, D.V.M., Ph.D.

Professors *Ralph G. Buckner, D.V.M., M.S.; Eugene M. Jones, D.V.M.; Thomas Monin, D.V.M.; J. Mack Oyler, D.V.M., Ph.D.; *Lawrence E. Rice, D.V.M., M.S.; Thomas R. Thedford, D.V.M.; *Eric I. Williams, F.R.C.V.S., M.S. Associate Professors *Robert J. Bahr, D.V.M.; Kenneth E. Bartels, D.V.M., M.S.; *Art J. Quinn, D.V.M.; Richard V. Shawley, D.V.M., M.S.; *Robert A. Smith, D.V.M., M.S. Assistant Professors Selwyn J. Barron, B.V.Sc, M.S.; Mary H. Bowles, D.V.M.; *Lionel J. Dawson, B.V.Sc, M.S.; R. Dennis Heald, D.V.M.; *John P. Hoover, D.V.M., M.S.; Frank K. Lochner, D.V.M., M.S.; Charles G. MacAllister, D.V.M.; Gregor L. Morgan, B.V.Sc., M.V.Sc.; Roger C. Penwick, V.M.D.; Max Purdy, D.V.M.; *Steven H. Slusher, D.V.M.; Kent D. Smith, B.V.Sc., M.V.Sc. Instructors Sharon L. Nash, D.V.M.; Richard Reid (adjunct)

Parasitology, Microbiology and Public Health

Professor and Interim Head *Robert W. Fulton, D.V.M., Ph.D.

Professors Paul B. Barto, V.M.D., Ph.D.; *Sidney A. Ewing, D.V.M., Ph.D.; Werner P. Heuschle, D.V.M., Ph.D. (adjunct); Helen E. Jordan, D.V.M., Ph.D.; A. Alan Kocan, M.S.P.H., Ph.D.; *Patrick M. Morgan, D.V.M., Dr. P.H. Associate Professors Brian H. Espe, D.V.M., M.S. (adjunct); Joseph C. Fox, Ph.D.; John T. Homer, M.A., Ph.D.; Charles S. McCain, D.V.M., M.S. Assistant Professors James A. Jackson, Ph.D.; *Rebecca J. Morton, D.V.M., M.S.; James C. Wright, D.V.M., Ph.D. Teaching Associate Eileen Johnson, D.V.M., M.S.

Pathology

Professor and Interim Head *Lloyd C. Faulkner, D.V.M., Ph.D.

Professors Donald D. Holmes, D.V.M., M.S.; *Andrew W. Monlux, D.V.M., Ph.D.; *Roger J. Panciera, D.V.M., Ph.D.; *Jeffie F. Roszel, V.M.D., Ph.D.; *E. L. Stair, D.V.M., Ph.D. **Associate Professors** *Anthony W. Confer, D.V.M., Ph.D.; *Charles W. Qualls, Jr., D.V.M., Ph.D.; *Delbert L. Whitenack, D.V.M., Ph.D. **Assistant Professors** *Billy J. Johnson, D.V.M.; *Katherine M. Kocan, M.S.P.H., Ph.D.; *Ronald D. Tyler, D.V.M. **Residents** Susan Antone, D.V.M.; Stephen M. Hall, D.V.M.; Monica Howard, D.V.M.; Derek A. Mosier, D.V.M.

Physiological Sciences

Professor and Interim Head James E. Breazile, D.V.M., Ph.D.

Professors *George E. Burrows, D.V.M., Ph.D.; Jonathan D. Friend, D.V.M., M.S.; Duane L. Garner, Ph.D.; Charlotte L. Ownby, Ph.D.; Duane R. Peterson, D.V.M., M.S.; Everett C. Short, Jr., D.V.M., Ph.D.; Theodore E. Staley, D.V.M., M.S. **Associate Professors** *William C. Edwards, D.V.M., M.S. (adjunct) **Assistant Professors** Lester L. Rolf, Ph.D.; Anne C. Rusoff, Ph.D.; Subbiah Sangiah, D.V.M., Ph.D. **Assistant Researcher** (Physiologist) Bruce A. Lessley, Ph.D. **Research Associate** Iris B. Wilson, B.A.

Oklahoma Animal Disease Diagnostic Laboratory

Director Dan E. Goodwin, D.V.M., Ph.D.

Assistant Director and Chief Pathologist E. L. Stair, D.V.M., Ph.D. **Bacteriologist and Assistant Microbiologist** *Rebecca J. Morton, D.V.M., M.S. **Pathologists** *Ray W. Ely, D.V.M., Ph.D. *Billy J. Johnson, D.V.M.; Delbert L. Whitenack, D.V.M., Ph.D. **Toxicologist** William C. Edwards, D.V.M., M.S. **Toxicology Residents** Terry Martin, D.V.M.; Sandra E. Morgan, D.V.M.

*Board Certification in Specialty Area