While every effort is made to provide accurate and up-to-date information, the university reserves the right to change without notice statements in The Ohio State University College of Veterinary Medicine Bulletin concerning rules, policies, fees, curricula, courses, or other matters when necessary.

In addition, Ohio State University College of Veterinary Medicine is constantly reviewing and restructuring many of our academic programs in an effort to enhance their quality and improve our efficiency. In that process, some of the programs and courses mentioned in this bulletin may be modified, consolidated with other programs or courses, or eliminated. If you have questions about a particular program or course, you should contact the appropriate college department.

Editor Jean Sander, DVM, MAM, DACPV
Associate Dean for Student Affairs

Ohio State is one of the nation’s largest and most comprehensive universities. Founded in 1870 as a land grant college, it has become a major research institution, receiving millions of dollars annually from federal and state agencies, private foundations, and corporations. Few universities can boast of the range of facilities and educational opportunities that students find at Ohio State. The university’s library system is the largest in Ohio and one of the foremost in North America. The University maintains computer facilities for use by students, faculty, and staff. The beautifully landscaped campus stretches across 3,200 acres and encompasses more than 380 buildings, ranging from lecture halls to high-rise brick and glass laboratories, from hospitals to computer centers.

Virtually unlimited opportunities exist for students to join in campus activities. There are, literally, hundreds of student organizations. A wide selection of cultural events are presented on campus through the Department of Theatre, the Wexner Center for the Arts, and the Department of Human Ecology's Historic Costume Museum. For those interested in participatory sports, Ohio State has two superb golf courses, and a comprehensive collegiate recreational complex and extensive intramural sports program. In addition to opportunities for student participants, student spectators have the benefit of being able to attend the exciting sports events hosted on a Big Ten campus. The Jerome Schottenstein Center is the new 20,000 seat home of the men's and women's basketball and ice-hockey teams.

Students may choose from a variety of living arrangements: residence halls for undergraduate, graduate, and professional students; larger housing for married students with children; and thousands of off-campus apartments.

Ohio State’s fundamental purpose—in teaching, public service, and research—is to enhance the quality of human life through developing the individual capacity for enlightened understanding, thinking, and acting. The university represents a human commitment—the commitment of people to better themselves and the world in which they live.

The Ohio State University Health Sciences Center

The Ohio State University Health Sciences Center is one of the most comprehensive health sciences centers in America. The academic programs in the Health Sciences Center are found in the Colleges of Dentistry, Medicine and Public Health, Nursing, Optometry, Pharmacy, Veterinary Medicine, and the School of Allied Medical Professions. The colleges offer professional degrees in their disciplines as well as graduate education for advanced practice and specialization. Programs of study are rigorous and attract well-qualified students from diverse backgrounds who study in state of the art facilities. Faculty engage in cutting edge research and are active in service to their community and profession.
The clinical facilities for the Health Sciences Center include the Ohio State University Hospitals, the Arthur G. James Cancer Hospital and Solove Research Institute, the Davis Heart and Lung Research Institute, University Hospitals East, OSU and Harding Behavioral Healthcare and Medicine, the Veterinary Teaching Hospitals, Dental Clinic, Pharmaceutical Care Clinic, and Optometry Clinic. These facilities provide the learning opportunities for health sciences students. The mission of the Health Sciences Center includes three elements – patient care, teaching, and research. This three-part mission, and a staff dedicated to its fulfillment, distinguishes The Ohio State University Health Sciences Center as Ohio's premier health sciences complex. The Health Science Center at Ohio State is looked to for the latest advances in patient care, research and technology. Students who study in this environment learn the latest advances in health care from experts in the discipline.

Columbus

Since its founding in 1812 on the banks of the Scioto River, Columbus has been a dynamic, expanding city, achieving early recognition as an important transportation center and capital. As noted in many recent national publications, the city continues to grow and is currently the largest city in Ohio.

Research has played a significant role in the city's economic progress, with The Ohio State University, Bell Labs, Battelle Memorial Institute, and Chemical Abstracts Service attracting millions of dollars in research annually. The data banks of these and other institutions now provide Columbus with the third-largest accumulation of data in the world.

Columbus has become a center of aesthetic and cultural development. Downtown, the Columbus Convention Center houses a convention center, hotel, shopping mall, and restaurants. Columbus City Center Mall, a three-level, one million square feet, enclosed mall of more than 140 specialty shops and department stores, is also located downtown.

Within a short walk of The Ohio State University campus is the Lennox Town Center, a shopping center housing restaurants and coffee shops, clothing and book stores, and a 24 screen movie theater.

In and around the city, Central Ohio Transit Authority buses can take you virtually anywhere, and the COTA bus fare is included as part of student fees. Housing is diverse and plentiful, with apartments, condominiums, and rooming houses located near the campus. Some residents are reviving old-fashioned charm in Italian Village, the Short North (so named because it is just a short distance north of downtown Columbus), and Victorian Village. The city also offers a great variety in restaurants and dining experiences from traditional to ethnic.

Opportunities for entertainment in Columbus are many and diverse. Festivals throughout the year include Red, White, and Boom, Jazz and Rib Fest, German Village Oktoberfest, and many more. The Ohio Theatre, Palace Theatre, and the Jerome Schottenstein Center on the Ohio State campus host world-class productions and Broadway shows. The Columbus Symphony Orchestra, Ballet Met, and Opera/Columbus, as well as university and private community theatre groups, present plays, musicals, and concerts. Popular exhibitions include the Civil War-era village at the Ohio Historical Society, the Center of Science and Industry, and the nationally known Columbus Zoo. Outdoor recreation sites include 11,500 acres of public parks, the Scioto and Olentangy rivers for water sports, and miles of bicycle paths.

Off campus, sports fans can attend the Columbus Blue Jackets (National Hockey League) games, Jack Nicklaus's Memorial Golf Tournament, Columbus Crew (Major League Soccer) games, and Columbus Clippers (Triple-A baseball) games. They can also participate in the annual Columbus Marathon and similar events throughout the year.

College of Veterinary Medicine

Suite 125/127 Veterinary Medicine Academic Bldg., 1900 Coffey Road, Columbus, Ohio 43210-1006
614-292-1171

The College of Veterinary Medicine at The Ohio State University is the third oldest of the existing veterinary medical colleges in
the United States. The departments of the college are: Veterinary Biosciences, Veterinary Preventive Medicine, and Veterinary Clinical Sciences.

Mission statement
The mission of The College of Veterinary Medicine is to benefit society through the education of veterinarians and the protection of animal health. This includes the diagnosis, treatment, prevention, and understanding of animal diseases, the conservation of livestock resources, the promotion of public health, and the advancement of medical knowledge through professional and graduate education, research, and service in the broad discipline of veterinary medicine. The college is an important resource for the biomedical and agricultural communities, contributing to the development of new knowledge and the training of future scientists. In keeping with the land-grant mission, the college is committed to disseminating new knowledge to the public, providing advanced and continuing training for veterinarians, and providing access to specialized veterinary medical services. The college is a vital part of The Ohio State University and embraces the combined mission of advancing and disseminating knowledge as described in the university mission and vision statement.

Goals of the college
• To provide an excellent comprehensive professional curriculum that educates students in the broad field of veterinary medicine, encourages critical and analytical thinking, and prepares students for lifelong learning and professional growth.

• To promote growth and excellence in research in order to improve the health of animals, assure the wholesomeness of food animal products, and contribute to the understanding of basic mechanisms of animal models of disease.

• To provide an intellectual and physical environment that fosters creativity and enhances scholarly activity.

• To sustain state of the art facilities including teaching and research laboratories and a veterinary teaching hospital to educate professional students, support research, train specialists, and serve as referral centers.

• To educate future academicians and research scientists by involving graduate students and residents in high quality teaching and research programs.

• To provide continuing education, extension services, and consultation for veterinarians and the citizens of Ohio.

Accreditation
The college is accredited by the American Veterinary Medical Association's Council on Education.

Careers
Veterinary medical practice is constantly changing and many new opportunities are available. Some of these are listed below:

Private practice
Private practice remains the most popular career chosen by graduates. Specialization after receiving the DVM degree is becoming more common. Veterinarians can specialize by species, such as food animal, companion animal, or equine practice. In addition, there is discipline specialization, including cardiology, dermatology, internal medicine, theriogenology, ophthalmology, and surgery. Specialization requires 3-5 years of formal education after attaining the DVM degree.

Public health
Public health instruction is part of the veterinary medical curriculum, and veterinarians serve in public health positions, such as health commissioner and director of environmental health. They participate with other health professions in public health programs at the city, county, state, national, and international levels. Their primary mission is to protect and promote human health through such activities as ensuring a wholesome meat and milk supply, eliminating environmental hazards, and preventing infectious and noninfectious diseases. They serve the public by supervising the shipment of healthy animals, inspecting food, conducting diagnostic tests, guiding the manufacture and distribution of effective drug and biological products, investigating disease outbreaks, and conducting research. Veterinarians in private practice are often involved in public health service on a part-time basis through membership on a local board of health.

Education, research, and laboratory animal medicine
Schools and colleges of veterinary medicine employ veterinarians who teach, conduct research, and practice clinical veterinary
medicine. Industry, governmental agencies, and other academic institutions employ veterinarians specializing in laboratory animal medicine, pathology, pharmacology, and toxicology.

Those specializing in laboratory animal medicine provide clinical laboratory animal care and advise investigators on the proper and humane use of laboratory animals. The veterinary pathologist evaluates the effects of infectious and noninfectious agents on the various organ systems. Veterinary pharmacologists develop and test pharmaceutical products for animal use. The veterinary toxicologist is responsible for safety evaluation of drugs and other chemicals for both animals and humans.

Other opportunities
Many zoos employ veterinarians to supervise the preservation, health, and care of wildlife and exotic animals. Careers in aquatic veterinary medicine, bio- and genetic engineering, and embryo transfer are also available to the graduate veterinarian. Some veterinarians write and edit professional publications or serve on the boards of state or national professional organizations. Others serve as executive secretaries for professional veterinary groups.

In addition to these specialties, the unique expertise of the veterinary biochemist, immunologist, morphologist, and physiologist is essential to the continued advancement of biomedical knowledge upon which the future of animal and human medicine depends.

Continuing education
0005 Veterinary Hospital, 601 Tharp Street, Columbus, Ohio 43210-1006, 614-292-8727

Ohio law requires veterinarians to present evidence of participation in continuing education courses in order to renew their licenses to practice in the state.

Several short courses are presented annually by the college, including the award-winning “Internal Fixation of Fractures.” This course, the only one of its kind in the United States, offers the latest information on bone fractures and repair. The college also sponsors annual food animal and horse conferences, as well as a two-day horseman’s short course for breeders, owners, and veterinarians. Cooperative courses with other groups, such as the American Animal Hospital Association and Waltham® Corporation, are offered annually in companion animal medicine. Many programs are presented each year in several areas of general and special interest to practicing veterinarians to provide an opportunity for them to obtain their necessary continuing education credits and to learn about the latest developments in their profession.

College facilities
At The Ohio State, students can complete the preveterinary medical requirements in several of the undergraduate colleges at the Columbus campus or one of the regional campuses. Once admitted to the College of Veterinary Medicine, professional students have all the advantages of a small academic community within a large university: complete clinical facilities, excellent libraries, and a comprehensive division of educational technology.

Veterinary Medical Hospital
601 Vernon L. Tharp Street, Columbus, Ohio 43210-1089; 614-292-3551

Clinical experience is an integral part of veterinary medical education. The college has one of the largest clinical patient facilities in the United States in which to educate students in most phases of professional practice, while providing the most contemporary veterinary health care.

Students are assigned to hospital services on a rotating basis in general practice clinics, small and large animal medicine and surgery, radiology, and diagnostic pathology. They have the opportunity to follow their patients’ progress 24 hours a day. Emergency services are also provided.

In the college’s clinics, students take patient histories, learn the art and science of diagnosis, and make appropriate recommendations for treatment or referrals to other services for further evaluation. This is done under the direction of qualified veterinary specialists on the faculty.

In the college’s new Galbreath Equine Trauma Center provides state-of-the-art facilities for the diagnosis and treatment of orthopedic injuries of horses, as well as an outstanding critical and intensive care facility. The center includes a treadmill for exercise studies of horses.

Field Services
601 Tharp Street, Columbus, Ohio
Students take part in programs which provide clinical experience in diagnosis, treatment, and disease control management of farm livestock, horses, and exotic animals.

In the field services, faculty and students conduct a veterinary teaching practice which is predominantly concerned with farm livestock, horses, and exotic animals. The herd health program is conducted by regular, clinical, and adjunct faculty in private practices, at state-owned farms, and in conjunction with private farms and businesses around Ohio where large numbers of animals are located.

**Veterinary Educational Resources**

0005A Veterinary Hospital, 601 Vernon L. Tharp Street, Columbus, Ohio 43210-1089; 614-292-0942

The Division of Veterinary Educational Resources is a multifaceted division that provides services both to students and faculty. It comprises three specific areas: program planning, development, and evaluation; student placement and preceptorships; and educational technology program planning, development, and distribution. Educational resources houses a large collection of auto-tutorial programs from which students and faculty may select. This audiovisual library operates under extended hours during autumn, winter, and spring quarters to allow for maximum use in the study and teaching of veterinary medicine. Computer-assisted instruction is also part of the educational technology laboratory. It is used extensively to complement clinical experiences by allowing students to study patient histories, make diagnoses, and plan treatments in an environment simulating actual patient care. Much of the college's computer-assisted instruction is available to our students on the Internet.

**Veterinary Technology Services**

0086A Veterinary Hospital, 601 Vernon L. Tharp Street, Columbus, Ohio 43210-1089; 614-292-2131

Veterinary Technology Services is a complete production facility which services the educational, research, and public relations media requirements of the College of Veterinary Medicine. Media professionals are employed in the medical photography, medical illustration, television, and computer support services sections. Formed in 1969, this facility has produced well over one-half million images, which are used in college lectures, medical journals and textbook publications, and the national print and broadcast media. The quality, diversity, and professionalism of this service has contributed to the college’s reputation for academic excellence.

**Libraries**

The libraries at The Ohio State University include the Main Library, 10 department libraries, Law Library, Health Sciences Library, and libraries at each of the regional campuses, housing significant, discipline-based collections. Students have access to all Ohio State library materials via OSCAR (the online catalog) and the libraries’ World Wide Web Gateway to Information and, through the statewide OhioLINK system, access to the collections of most other academic libraries in Ohio. Additionally, over 100 electronic databases are available via these combined online systems. Patrons can also charge out and renew library materials online, and have them delivered to addresses on campus.

In addition, graduate students and faculty may borrow books and periodicals not available at Ohio State from non-Ohio libraries around the country through interlibrary loan. Veterinary medical students frequently make use of special materials borrowed from Battelle Memorial Institute, Chemical Abstracts, and Children’s Hospital.

**Veterinary Medicine Library**

225 Veterinary Academic Building, 1900 Coffey Road, Columbus, Ohio 43210-1006; 614-292-6107

The Veterinary Medicine Library includes materials treating every aspect of veterinary medicine—anatomy, clinical sciences, pathobiology, physiology, pharmacology, and preventive medicine. A special reference section includes all the major bibliographical works for the field. There are also smaller supporting collections in the basic sciences and related health sciences, including medicine, public health, biochemistry, and oncology. Each year, the library staff conducts special orientation sessions to acquaint new students with the library’s holdings and services.

**Other libraries**

On campus, veterinary medical students make frequent use of the collections in the
agriculture, biological sciences, health sciences, and pharmacy libraries.

**Admission**

Professional Admissions Office, Third Floor Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1200; 614-292-9444

College of Veterinary Medicine Student Affairs and Admissions Office, 127 Veterinary Academic Building, 1900 Coffey Road, Columbus, Ohio 43210-1089; 614-292-8831

**General requirements**

Admission is granted to the most qualified candidates as determined by the Admissions Committee.

No specific undergraduate college major is required. Students should plan a program toward a degree, although a bachelor’s degree is not required for admission. Course work in comparative medical science is very helpful. Students may complete the pre-veterinary medicine requirements in any discipline whose curriculum permits students to enroll in the required pre-veterinary medical courses. Nonresident students enrolled at this university should realize that the pre-veterinary medical course requirements for admission to the College of Veterinary Medicine at Ohio State do not always satisfy the admission requirements of other veterinary medical colleges.

The requirements for admission to the College of Veterinary Medicine include:

- Required pre-veterinary medical courses must be completed at any fully accredited college or university with a grade of C or better. No more than one prerequisite course may remain to be completed after the autumn term in which the application is submitted. All courses must be completed by the end of the Winter quarter or Spring semester preceding matriculation.
- Ohio and contract-state students must have a cumulative point-hour ratio of 3.00 (4.00=A) to be qualified. Highly qualified non-resident applicants will be considered for At-Large seats each year. These are applicants from states other than Ohio or contract-states. Residents of these states usually need a minimum GPA of 3.40 in addition to a competitive admissions examination score. The applicant’s cumulative point-hour ratio in effect at the time of the deadline for that application year will be the cumulative point-hour ratio considered by the Admissions Committee in selecting candidates for that year’s entering class.
- A candidate who completes any required Course with less than a C after submission of the application will not be considered for admission during that application year.
- One of the following tests must be taken before September 30 of the application year. Results of tests taken after this date will not be considered for that application year.
  (a) Graduate Record Exam (GRE), general portion, administered by the Educational Testing Service, Box 955, Princeton, New Jersey 08540; 609-771-7670. Minimum score: 955. Subject test not required. www.gre.org
  (b) Medical College Admission Test (MCAT), administered by the MCAT Program Office, 2255 North Dubuque Road, Iowa City, Iowa, 52243; 319-337-1357. Minimum score: 24. www.aamc.org

Tests are also administered by The Ohio State University Testing Office, 1240 Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1230. Students from states other than Ohio should contact the individual testing service directly for locations where exams will be given. To be considered for a given application year, the selected test must have been taken within a five-year period preceding the September 30 deadline for that year. Any test may be taken more than once, and the highest score will be used.

Testing dates are usually announced in August of each year. The university Professional Admissions Office in Lincoln Tower will have a supply of examination announcements at that time.

- A one-page statement explaining his or her qualifications to pursue a career in veterinary medicine is required.
- A work experience outline showing names and addresses of employers, dates worked, and duties and responsibilities is required. The outline should include all employment, both volunteer and paid including animal-related experiences.
- Each applicant must have a minimum of 80 hours of experience with the same veterinarian in some area of veterinary medicine (public or private). These hours must be obtained at a single location and are subject to verification by the Admissions Committee.
- Three recommendations are required. Two recommendations must be from a veterinarian. Each recommendation should include written comments by the
evaluator. The evaluator should be sufficiently acquainted with the applicant to be able to evaluate his or her professional potential. Recommendations from relatives are not accepted; only the Personal Reference forms provided in the Ohio State or VMCAS application packets will be accepted. If more than three recommendations are submitted, only three will be reviewed. It is the applicant’s responsibility to indicate which three they would like included in the application review.

- In order to receive an interview invitation, any student applying while currently enrolled in graduate school must provide a letter from his or her graduate faculty adviser delineating current status in graduate school, and stating that they are aware of the student's application to the professional curriculum. It is not possible for an entering veterinary student to be enrolled in a graduate program. For details on dual degree programs please visit our web site or call Student Affairs for a consultation.

- A personal interview with members of the Admissions Committee will be arranged by invitation. Students who are residents of West Virginia will be screened by both their respective State screening committee and members of the College of Veterinary Medicine Admissions Committee to determine who will be invited for interviews. Residents of West Virginia who do not receive an interview are encouraged to consult with their state screening committee. Residents of all other states who do not receive an interview are encouraged to consult with their state screening committee. Residents of all other states who do not receive an invitation for an interview by March 1 may request a consultation session with the Chairperson of the Admissions Committee. Ohio residents with a cumulative point-hour ratio of at least 2.80, but below 3.00 at the time of the admissions deadline must petition the Admissions Committee in writing if they wish to be considered as a special circumstance applicant for that application year.

- The college Admissions Committee reserves the right to withdraw at any time, after due process, a letter of admission for reasons deemed justified by the committee.

- Federal regulations may prevent applicants with convictions for drug offenses from completing the professional curriculum and may affect the ability to obtain a license to practice.

**Required preveterinary medical courses**

In order to be considered for admission, candidates may have no more than one required prerequisite, or its equivalent, remaining to be completed by the end of the autumn quarter or semester preceding the desired autumn quarter of matriculation. All required prerequisites, or their equivalents, must be completed with a grade of C or better.

<table>
<thead>
<tr>
<th>OSU Courses</th>
<th>Quarter Hours</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Biochemistry 511</em></td>
<td>5</td>
<td>3-4</td>
</tr>
<tr>
<td><em>Biology 113 and 114</em></td>
<td>10</td>
<td>6-8</td>
</tr>
<tr>
<td><em>Chemistry 121, 122, 123</em></td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td><em>Chemistry 251 and 252</em></td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>English 110</td>
<td>5</td>
<td>3-4</td>
</tr>
<tr>
<td>Mathematics 150</td>
<td>5</td>
<td>3-4</td>
</tr>
<tr>
<td><em>Microbiology 520 and 521</em></td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>(Micro. 509 is acceptable)</td>
<td>(5)</td>
<td>(3)</td>
</tr>
<tr>
<td><em>Molecular Genetics 500</em></td>
<td>5</td>
<td>3-4</td>
</tr>
<tr>
<td>Physics 111-112</td>
<td>10</td>
<td>6-8</td>
</tr>
<tr>
<td>Humanities &amp; social sciences</td>
<td>20</td>
<td>14</td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
<td>6-8</td>
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<tr>
<td></td>
<td>96-101</td>
<td>64-67</td>
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</tbody>
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* Must have been completed within the 10-year period immediately preceding the year of application. An applicant may petition for waiver of the 10-year rule if he or she can demonstrate recent academic or occupational experiences which would demonstrate mastery of the subject material.

Students attending colleges other than The Ohio State University should ensure that the courses they are taking are equivalent to these courses. Equivalency is based on course content, not credit hours. Listed below are short course descriptions of the Ohio State preveterinary courses:

**Biochemistry (511)** Five quarter credit hours. Molecular basis of structure and metabolism of living things. Note: If Biochemistry is taught as a 2-part sequence, both parts are required.

**Biology (113 and 114)** 10 quarter credit hours of general biology, biological principles including cell structure and function, reproduction and development, bioenergetics, genetics, and evolution

**General Chemistry (121, 122, 123)** 15 quarter credit hours with labs. Fundamental chemical principles, chemistry of the most important nonmetals and of chemical reactions in solutions, and introductory quantitative analysis.

**Organic Chemistry (251, 252)** Six quarter credit hours. Structure, nomenclature, physical properties, preparation and reaction of hydrocarbons, alcohols and ethers, etc. Lab not required.

**English (110)** 5 quarter credit hours of expository writing.

**Mathematics (150)** Five quarter credit hours. Inverse functions; logarithmic, exponential, and trigonometric functions and their graphs; and complex numbers.

**Microbiology (520 and 521) or (509)** 10 (5) quarter credit hours. Characteristics of microorganisms with an emphasis on their structure, metabolism, growth, and classification, including introductory
virology and immunology.  
**Molecular Genetics (500)** Principles of genetics including molecular, transmission and nonchromosomal genetics and the genetics and evolution of populations.  
**Physics (111, 112)** 10 quarter credit hours with labs. Mechanics and heat, electricity, magnetism, and light.  

Determinations of course equivalency are made by The Ohio State Professional Admissions Office, 340 Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1200.  

Documentation on the courses taken at another college should be forwarded to that office for a written preliminary evaluation which will inform the student which courses will be granted credit toward your application.  

**Humanities/Social Science** 20 quarter credit hours of humanities and or social science. Options include basic courses in literature, music or art appreciation, history of art, philosophy, history, psychology, sociology, communication, journalism, economics. Students are strongly encouraged to select an Introduction to Logic course (Philosophy 150) to fulfill part of the humanities and social sciences requirement.  

**Electives** Students may select any courses offered by an accredited college which will broaden their education.  

**Honors program** Honors students and other students with exceptional ability are encouraged to elect some of the suggested alternate courses listed here to gain a more challenging preparation for the professional curriculum. Students should confer with their counselors or faculty advisers before they select courses, but these alternate courses will be accepted toward the preprofessional course requirements for admission: Biology H115, H116; Chemistry H201, H202, H203, 204, and 205; English H296; Mathematics H190; and Physics 131 and 132.  

**Time of application and admission**  
All interested students must complete and file all required admission materials between July 1 and October 1, which is the deadline for each application year.  

After July 1, Ohio students may access the application on-line. Completed applications, transcripts of all college work, Prerequisite Summary Worksheet, and the application fee should be submitted directly to the Admissions Office in Lincoln Tower before October 1.  

All other materials, such as personal statements, work experience outlines, test scores, and recommendation forms should be returned directly to the College of Veterinary Medicine Admissions Office before October 1.  

Non-resident and contract-state candidates must apply through the Veterinary Medical Colleges Application Service (VMCAS). VMCAS applications may be completed via the Internet: [http://www.aavmc.org](http://www.aavmc.org).  

**Application and acceptance fees**  
All prospective students who apply to the College of Veterinary Medicine must pay a $40 application fee; international applicants pay $50. Admitted applicants are assessed a $25 acceptance fee. Neither the application fee nor the acceptance fee is refundable or credited toward any other fees charged by the university. All fees are subject to change. A $300 tuition deposit is required from accepted contract-state and nonresident applicants and must be submitted by the deadline given in the letter of admission. This fee will be applied toward the first quarter tuition.  

**Selection of students**  
Each year more candidates apply to the College of Veterinary Medicine than can be accepted. Only those applicants whose preprofessional work in college is of superior quality may expect to be admitted. Most prospective students spend three or more years in undergraduate school before their applications are considered.  

Students are selected on a competitive basis. Educational background and performance, including cumulative point-hour ratios and test scores, are considered. Communication and interpersonal skills, motor skills, attitude, leadership, and judgment are some other criteria considered in the selection of candidates. Knowledge of the profession, experience with animals, and work experience related to veterinary medicine or a medical-related field are also factors which affect the consideration of students’ applications for admission.  

**Number admitted**  
In order to maintain the quality of instruction, and to provide ample facilities for enrolled students, the College of Veterinary Medicine limits the number of students
admitted to each class. Since it is impossible to accept all qualified applicants, students should plan alternate goals in standard baccalaureate programs and consider alternate courses.

Admission of contract-state residents
Applicants from West Virginia, which has a contract with the University for veterinary medical education, are considered for admission on a competitive basis. Residents of West Virginia should contact VMCAS for application materials and the following office for counseling and residency verification:

West Virginia Dr. Paul Lewis, Chairperson, Veterinary Medicine Coordinating Committee, College of Agriculture and Forestry, West Virginia University, Morgantown, West Virginia 26506; 304-293-2231.

Admission of nonresidents
A few highly qualified nonresident applicants will be considered each year. These are applicants from states other than Ohio or the contract states.

Admission with advanced standing
Applications from students enrolled in other colleges of veterinary medicine are seldom approved since the curricular sequence offered at each college of veterinary medicine is unique. Incompatible sequences prohibit successful transfers. Each transfer request is considered on an individual basis.

Acceptance/nonacceptance
All interviewed candidates are notified by the Admissions Office of their acceptance or nonacceptance. Students must return a signed statement of acceptance by the deadline listed in their notification of appointments or the offer of admission may be withdrawn. Those students not accepted are encouraged to counsel with the chairperson of the Admissions Committee.

Registration and scheduling
Office of the University Registrar, 320 Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1233; 614-292-8500

Students must assume responsibility for knowing the published policies governing the curricula they intend to pursue as well as the regulations, procedures, and deadlines of the college and the university. Read carefully the complete statements in the Course Offerings Bulletin about the marking and point systems, policies governing withdrawal from courses or from the university, and other policies and regulations affecting registration. Refer to the quarterly Master Schedule of Classes for general information about registration and scheduling procedures and deadlines. For information about the curriculum, call or write to the college or school office.

Former students returning after absences of one or more quarters may request registration materials from their college office.

Scheduling
Students will register for classes using the Registrar's web site or touch-tone telephone system commonly known as B.R.U.T.U.S. Scheduling is supervised by the Student Affairs Office in 127 Veterinary Medicine Academic Building. The class beginning Autumn Quarter will receive their program of study on or about August 1.

Add/drop policy
Veterinary students may only add or drop elective courses until the Friday of the second week of classes.

Fees and expenses
Office of the University Registrar, Third Floor Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1233; 614-292-8500

The university reserves the right to change fees without notice.

Application fee Required of every student on first application to the College of Veterinary Medicine. Nonrefundable and not applicable toward any other university fee. $40.

Foreign student application fee Required of every foreign student on first application to the university. Nonrefundable and not applicable toward any other university fee. $50.

Acceptance fee Required of every student upon first admission to the College of Veterinary Medicine. Nonrefundable and not applicable toward any other university fee. $25.

Contract-state and nonresident tuition deposit Students admitted in these categories must pay a $300 nonrefundable deposit upon acceptance into the College of Veterinary Medicine. This fee will apply toward the first quarter tuition.
Residence hall filing fee
Submitted with each student’s first residence hall contract. Nonrefundable and not applicable toward any other university fee. $30

Computer fee
Fees vary by enrollment unit and will be assessed on a per-credit-hour basis. Please contact your college for specific information on any applicable computer fees.

COTA fee
The Central Ohio Transit Authority (COTA) provides an unlimited access bus pass for any enrolled student on the Columbus Campus. The fee is $9 per quarter and is automatically charged to a student’s account.

University fees
The university reserves the right to change these fees without notice. Undergraduate students enrolled in any quarter, term, or period for 12 or more credit hours will be assessed full fees. Fees for students enrolled for 11 or fewer credit hours shall be assessed on a per-credit-hour basis. All fees effective Autumn Quarter 2004.

Qualified*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Ohio residents</th>
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<td>10 or more</td>
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*Ohio law requires male students between the ages of 18 and 26 to be registered with the Selective Service System, unless they are on active duty with the armed forces of the United States (other than the National Guard or reserves) or legally excluded, to be eligible for state educational assistance programs. Residents who are not registered or have not indicated they do not need to register by the first day of the quarter are required to pay the Out-of-State Tuition as required by Ohio law. Students can register with Selective Service in the year they become 18 and must complete registration by 30 days after their 18th birthday. Selective Service registration can be accomplished in a few minutes at any U.S. Post Office. Students with questions about selective service registration and nonresident fees should contact the Public Services Area of the Office of the University Registrar, Third Floor Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1233; 614-292-8500.

All fees are due and payable as part of the student’s registration as indicated in the quarterly Master Schedule of Classes. Each person should come to the university with money sufficient to cover all fees and deposits. All fees and deposits must be paid before a student will have any privileges in classes or laboratories. Refer to the quarterly Master Schedule of Classes for more information about payment of fees and special fees and penalties.

Contracting agencies and organizations sponsoring international students whose programs require special support and management services beyond those normally provided will be charged an appropriate management fee.

Professional students registered in and receiving college credit for undergraduate nonprofessional summer quarter courses or other special assignments pay the fees assessed for students in undergraduate colleges. See the quarterly Master Schedule of Classes for current information about fees.

Cost of a year’s work
These estimates, current when this bulletin was published, are meant to provide a guideline for students planning to enroll in the College of Veterinary Medicine. The estimated cost for the first three quarters in the College of Veterinary Medicine includes these expenses:

- Application fee ................................... $40
- Acceptance fee .................................... 25
- Residence hall filing fee ..................... 30
- University tuition and fees ............... 16,413
- Student health insurance ................. 1,212
- Books and instruments ..................... 1,154
- Personal items ................................. 609
- Transportation ................................. 247
- Motor vehicle registration fee ........... 181.80
- Room and board in residence halls ........ 5,500

Total                                 25,411.80

University fees
Nonresident students pay an additional $8,408 each quarter.

Student health insurance
Veterinary students must be covered by the Ohio State student health insurance or by an equivalent policy during their entire academic program.

Books and instruments
Students must procure the textbooks, uniforms, and instruments needed for their personal use in the laboratories, dispensaries, and clinics.

Motor vehicle registration fee
Required of any student wishing to park a car ($181.80) or motorcycle ($10) on Ohio State Columbus grounds (central campus).
**Room and board** Off-campus housing is generally more expensive for a single student living alone. On-campus housing varies by place.

**Return of fees**
Except for application, acceptance, COTA, and residence hall filing fees, university fees are returnable, in part, if a student withdraws from the university for any cause other than at the request of the university and if such withdrawal is made within the period specified (Rule 3335-9-18 of the Administrative Code). Refer to the quarterly Master Schedule of Classes listing for these dates.

University offices responsible for assessing a particular fee should be contacted directly with reference to any refund policies or procedures that may be applicable to that office or fee.

Information concerning the appeals process that pertains to fee assessment, payment, and refund policies may be obtained by contacting the relevant office.

**Resident and nonresident student status**
All students who are not residents of the State of Ohio, as defined by the Ohio Board of Regents, are required to pay a nonresident tuition surcharge in addition to other university fees. Students are responsible for informing the Office of the University Registrar of factors that affect their residency status and fee assessments.

Students should resolve questions or problems about residency before they enroll. See the Application Bulletin for more details, or call or write the Office of the University Registrar for a Request for Resident Classification application or for assistance at 292-8500.

**Student housing**
Office of Housing Assignments, 350 Morrill Tower, 1910 Cannon Drive, Columbus, Ohio 43210-1290; 614-292-8266; Fax 614-292-6906; e-mail: housing@osu.edu.

Acceptance by the university and payment of the acceptance fee do not guarantee a place in a university residence hall. All students must apply to live in the residence halls by returning a completed and signed housing contract and a space reservation fee. All housing applications are processed in the order received, and all campus housing assignments depend on space availability. The space reservation fee is credited to Spring Quarter room and meals costs.

The university also offers a graduate student residence hall and a student family housing apartment complex on campus. These facilities, particularly family housing, are quite popular and waiting lists of six months or more are common. Students are encouraged to apply for graduate or family housing when they apply for admission to Ohio State. Further information is available from the Office of Housing Assignments at the address above.

**Financial aid**
Office of Student Financial Aid, Fourth Floor Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1230; 614-292-0300; web site: [http://sfa.osu.edu](http://sfa.osu.edu).

This information summarizes the financial aid available for students at The Ohio State University. Refer to the Application Bulletin for a more complete description of financial aid programs and resources. Freshmen, currently enrolled students and transfer applicants who wish to be considered for most university-administered scholarships, grants, federal loans, and the Federal Work-Study Program need to complete and submit the Free Application for Federal Student Aid (FAFSA) by March 1st. For additional information contact the Office of Student Financial Aid, Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1230; 614-292-0300.

**Scholarships**
The College of Veterinary Medicine Scholarship Committee has the responsibility of determining policy and supervising the distribution of these funds. Awards for scholarships are usually made following the Spring Quarter for the next academic year. Scholarships for the first-year entering class are awarded following the class selection process. Students in good standing are eligible for the scholarships listed below and others.

**American Kennel Club Scholarships**
Awarded to students in good standing in the college who have an interest in canine biology.
and/or pure bred dogs.

**American Association of Equine Practitioners / American Live Stock Insurance Company Scholarship** Awarded to a student in good standing in the college who plans to enter private equine practice after graduation.

**American Veterinary Medical Foundation Scholarships** Awarded to students in good standing in the college.

**Bil-Jac Foods Scholarship** Awarded to students in good standing in the college who have an interest in small animal nutrition.

**Pamela L. Blakeslee Memorial Scholarship** Awarded to a first-year student or students who are Ohio residents and who have shown excellence in their undergraduate work in animal science in the Ohio State College of Agriculture.

**Dr. Edwin Blamey and Mrs. Isabel Blamey Scholarships** Awarded to a student or students who have an interest in canine medicine and surgery, breeding, and research, especially in small breeds.

**Dorothy Bliss Endowed Scholarship** Senior student with interest in small animal practice.

**Michael A. Bricker, DVM Equine Scholarship** Third or forth year student planning to practice equine medicine.

**Leland and Jessie Browne Scholarships** Awarded to students in good standing in the college.

**Louis & Raye Carlin Scholarship** Third or forth year student with strong leadership skills and high academic achievement.

**Cincinnati Kennel Club Student Scholarship** Awarded to students in good standing in the college who are residents of southwest Ohio and who have an interest in canine medicine and surgery.

**College of Veterinary Medicine Alumni Scholarships** Awarded to students in good standing in the college.

**Columbiana County Kennel Club Scholarship** Awarded to a student from Columbiana County Ohio who plans to specialize in small animal medicine.

**Dr. Leslie Kasdorf Cramer Memorial Scholarship** Awarded to third- or fourth-year students in good standing in the college.

**Betty Crawford Lifetime Achievement Award** Awarded to a third- or forth-year student who are residents of Mahoning County, OH and plan to practice small animal medicine.

**Jean M. Davis Scholarships** Awarded to female students in good standing in the college, with preference given to residents of Oakland County, Michigan.

**Degolier Scholarships** Awarded to students in good standing in the college.

**Delaware Ohio Kennel Club Scholarship** Awarded to a student from Delaware County who is in good standing in the college and who has an interest in small animal medicine.

**Ralph Clark Dunn Scholarship** Awarded to students from Seneca County, based on merit.

**Daniel & Ruth Ebert** Awarded to third-year students with an interest in small animal medicine. Preference given to students from Mahoning, then Trumball, Huron, or Erie Counties.

**Matthew J. Eggert Scholarships** Awarded to third- or fourth-year students in the college, with preference given to those with a special interest in and aptitude for veterinary pathology.

**Dr. Lloyd C. Ferguson Scholarships** Awarded to students in good standing in the college who are beginning graduate work in microbiology, with preference given to those showing promise of expanding scientific knowledge.

**Mary Fox Scholarships** Awarded to upperclass students in good standing in the college.

**Ellen Gerlat Memorial Scholarship** Awarded to a first-year veterinary student or students who are residents of Ohio, have done the majority of their undergraduate work at The Ohio State University, and have excelled in the first-year professional program.

**Dr. Kermit R. Heidt Scholarships** Awarded to third and fourth-year students in good standing in the college.

**Harry E. Goldstein Scholarships** Awarded to students in good standing in the college.

**Andy Hague Endowed Scholarship** Awarded to an outstanding student from Ohio.

**James and Annette Hartman & Lester E. Wiley Scholarship** Awarded to students with financial need or academic ability.

**Dr. Kermit R. Heidt Scholarships** Awarded to third and fourth-year students in good standing in the college.
Heldt Family Scholarships Awarded to students in good standing in the college who have demonstrated an interest in animal geriatrics and in dealing with pet owners in a caring, compassionate manner.

Luella Henkel Memorial Scholarships Awarded to a minority student or students in good standing in the college.

Morgan Horvitz Scholarship Awarded to veterinary student(s) with an interest in and demonstrated compassion for dogs.

M. L. Hubbard Scholarships Awarded to a second-year student in good standing in the college who has demonstrated proficiency in the basic sciences.

Kathryn Johnston Equine Scholarship Awarded to a third- or fourth-year student with a career goal of equine practice.

Barbara C. Joslin Endowed Scholarship Awarded to a senior student in good academic standing.

Knox-Guingrich Scholarship Awarded to a student interested in dairy practice.

Lou Levingood Memorial Scholarship Awarded to a first-year student in good standing in the college who is a resident of Ohio and who has a 4-H background.

Lloyds of London Scholarship Awarded to a senior student in good standing in the college who has a demonstrated interest in thoroughbred horses.

George W. and William S. Lobach Memorial Scholarships Awarded to students in good standing in the college who have a demonstrated interest in large animals.

A. G. Madden/Cincinnati Veterinary Medical Association Scholarships Awarded to third- and fourth-year students from southwestern Ohio who have participated in or shown potential for leadership in organized veterinary medicine within their professional program.

Medina Kennel Club Scholarship Awarded to a student from Medina County in good standing in the college with an interest in small animals.

Bruce A. Mayer Scholarships Awarded to students in good standing in the college.

Eleanore R. McCune Scholarships Awarded to students in good standing in the college.

Hermann Meyer Veterinary Anatomy Scholarship Awarded to student(s) in good standing in the college with interest and excellent performance in veterinary anatomy during their first year.

Miami Valley Veterinary Medical Association Scholarship Awarded to a student who is in good standing in the college from Montgomery or an adjacent Ohio county.

Maurice W. and H. Ethel Neidigh Scholarships Awarded to students in good standing in the college.

Nestle Purina Pet Care Scholarship Awarded to a student who has demonstrated interest in small animal nutrition.

Nicely Feline Scholarship Awarded to students with an interest in feline medicine.

Ohio River Valley Llama Association Scholarship Awarded to a student in good standing in the college who has a demonstrated interest in llamas.

Ohio State University Scholarships Awarded to students in good standing in the college.

Ohio Veterinary Medical Association Auxiliary Scholarship Awarded to students in good standing in the college who are immediate family members, children, grandchildren, or siblings of an OVMA or Auxiliary member, including life members.

Pfizer Scholarship Awarded to a student who has excelled in the DVM program and who demonstrates active participation in veterinary medical organizations.

Arch & Mary Ellen Priestly Scholarship Awarded to third-or fourth-year students in good standing in the college who are from Ohio or West Virginia and who have an interest in food animal medicine.

Dr. Clyde L. and Dora L. Purdy Scholarships Awarded to students in good standing in the college who are from Knox County in Ohio.

Richland County Kennel Club Scholarship Awarded to students in good standing in the college who are from Ashland or Richland counties in Ohio and who have an interest in small animal medicine.

Robert Rizzitano Scholarship Awarded to a student pursuing practice in small animal medicine.
Salsbury Foundation Scholarships
Awarded to fourth-year students in good standing in the college who have demonstrated superior scholarship, initiative, perseverance, and potential for leadership.

Dr. Carlton W. Schwiesow Endowed Scholarship
Awarded to a worthy student with need.

Sam Segall Memorial Scholarship
Awarded to students in good standing in the college.

Sneaker the Cat Scholarship
Awarded to a third- or fourth-year student based on need and merit, pursuing a career in small animal medicine.

Stark County Veterinary Medical Academy Scholarship
Awarded to students in good academic standing from Ashland and Richland Counties, Ohio with preference given to the fourth-year students.

Narcissa Price Steddom Trust Scholarships
Awarded to students in good standing in the college who are from Warren County in Ohio.

Barbara S. Stein Memorial Scholarship
Awarded to a third- or fourth-year student with a career goal of feline practice.

Sugarbush Kennel Club Scholarships
Awarded to students in good standing in the college who are residents of Geauga County.

Walter G. Venzke Scholarship
Awarded to a student in good standing in the college who has a demonstrated ability in veterinary anatomy.

Western Reserve Kennel Club Scholarship
Awarded to second- and third-year students from northeastern Ohio, preferably Cuyahoga County, who plan to practice small animal medicine and surgery.

Dr. Barbara Ann Wolfman Memorial Scholarship
Awarded to third-year students in good standing in the college who have demonstrated scholarship and proficiency in basic sciences.

Martin H. Zarnett Scholarship
Awarded to a third- or fourth-year student who plans to practice equine medicine.

Additional scholarships are available to students in the College of Veterinary Medicine. For information on these scholarships go to www.sfa.osu.edu/Forms/Scholarship.pdf. The deadline to apply for these scholarships is March 1st.

Loans
Various loan programs provide low-interest loans for educationally related expenses to students who are also making satisfactory academic progress. To apply for these, students must complete a FAFSA annually available at www.fafsa.ed.gov. Students may borrow funds from the federal government through the William D. Ford Federal Direct Loan Program. Through the Subsidized and Unsubsidized Federal Direct Stafford loan program students can borrow up to $8,500 in Subsidized loans or up to $10,000 in Unsubsidized Federal Direct Loans and up to an additional $20,000 in Unsubsidized Loans annually. Students apply by filing the FAFSA. The loans carry a variable interest rate which is capped at 8.25 percent, with the government paying the interest on the subsidized loans while the student is enrolled at least half time. Repayment begins six months after the borrower becomes enrolled less than half time or graduates.

University and Foundation loans are also available on a funds-available basis for amounts of $50 to $1,000 for undergraduate and graduate students. The interest rate is seven percent, and repayment is arranged according to the individual circumstances of the student. Students must apply quarterly on a special University Loan application by the 15th day of each quarter.

Health Professions Student Loans (HPSL)
The federal government has made funds available for loans to students in the health professions. Applicants with demonstrated financial need may borrow up to $5,000 per year depending on available funding and must begin repayment of the loans one year after graduation or withdrawal. These loans have a 5% interest rate. Loans must be repaid within 10 years. Graduates who serve in the Peace Corps or military or who enroll in advanced professional study (including internships or residencies in institutes of higher education) may have repayment deferred. The debt may be canceled in case of death or total disability. In order to be considered for the HPSL, students must supply parent information on the FAFSA.

Federal Work-Study Program
Students who could not attend college without financial assistance may be able to participate in the Federal Work-Study Program. To be eligible, applicants must demonstrate financial need and maintain
satisfactory progress. Application is made by checking "yes" to the appropriate item on the FAFSA. The deadlines are as previously stated.

Student employment
Student employment, a part of the Office of Student Financial Aid, serves as a good source of job opportunities. This office operates a job board on the Web at www.sfa.osu.edu/jobs which lists a variety of employment opportunities in the Columbus area. All applicants are also encouraged to use their own initiative in discovering job opportunities.

Summer work constitutes an important source of income for college students. Information on vacation work such as opportunities with resorts, amusement parks, summer camps, industry, and businesses is available on our web site during winter and spring quarters each year.

Academic programs

Professional degree offered Doctor of Veterinary Medicine. The curriculum leading to this degree is described on the following pages.

Graduate degrees offered Master of Science and Doctor of Philosophy.

Doctor of Veterinary Medicine curriculum
Veterinary medical practice is changing, and many specialties are emerging, in addition to traditional practice. Yet each relies heavily upon a common core of basic scientific knowledge and intellectual skills required for effectively understanding health and disease as they occur in animals. To accommodate these considerations, the curriculum consists of core and elective courses. For individual students, the blend of core and elective courses constitutes a continuum of development in the areas of veterinary medicine they have selected for their careers.

All core programs and many elective programs are interdisciplinary. They have been developed as a conscious effort to identify and unify the concepts, work, and knowledge about animal health and diseases of several comparative medical disciplines. Each discipline is treated as though it has a beginning and less complex portion, and a more advanced and difficult portion.

Although core courses represent the major part of the program, 32 credit hours of electives are necessary to meet the credit hour requirement for graduation. Students register for electives beginning spring quarter of their first year.

Core program
A background in common medical principles and the treatment of animal diseases, on an organ system basis and of each species, represents the fundamental base of the core curriculum.

The first portion of the core program provides scientific knowledge and intellectual and technical skills necessary for a student to launch an intensive study of animal health and disease on an organ system basis.

Students then learn about animal diseases that affect each organ system. Courses develop the particular anatomic, physiologic, pharmacologic, pathologic, microbiologic, parasitologic, and clinical science knowledge necessary for students to understand normal and abnormal structure, function, and chemistry and their relation to basic treatment and prevention of diseases for that system.

The third year is devoted primarily to elective courses taught by problem solving and dealing with the diagnosis and treatment of the more important diseases of species.

Electives
Students choose electives which have been approved by an electives committee. The flexibility of the elective component of the curriculum permits students who wish to go into general veterinary practice to study a variety of subjects and permits those who wish to specialize in a particular field or pursue graduate studies to learn some of the special skills they will need. Many students complete their senior elective experiences at the Veterinary Hospital or one of the programs offered by the college departments. Others may participate in approved off-campus programs at facilities in other states and foreign countries. Due to patient care responsibilities, it is very difficult to take didactive electives during senior clinics.

Clinical experience
Third- and fourth-year students obtain clinical experience in various areas of the Veterinary Hospital.
Use of animals

The faculty of the College of Veterinary Medicine believe that traditional live animal laboratories are the most effective and proven instruction in veterinary medical and surgical techniques. The use of animals is continually reviewed by the faculty who assure the humane treatment and welfare of the animals, as well as compliance with applicable laws and regulations. Animal laboratories are used by the faculty when needed to achieve the educational objectives of our curriculum.

Veterinary medicine program

First year Hours
Autumn quarter
VM Coll 510 Principles of Epidemiology ....................... 4
VM Coll 520 Topographic Anatomy (Canine) ....................... 5
VM Coll 525 Introduction to Radiology I ....................... 1
VM Coll 530 Microscopic and Developmental Anatomy I ......... 5
VM Coll 540 Structure and Function of Cells ....................... 5
VM Coll 560.01 Ethics and Jurisprudence I ....................... 1

Winter quarter
VM Coll 521 Topographic Anatomy (Equine) ....................... 4
VM Coll 526 Introduction to Radiology II ....................... 1
VM Coll 531 Microscopic and Developmental Anatomy II ........... 4
VM Coll 550.01 Comparative Biology of Disease I ................... 5
VM Coll 550.02 Comparative Biology of Disease II ................... 5
VM Coll 560.02 Ethics and Jurisprudence II ....................... 1

Spring quarter
VM Coll 522 Topographic Anatomy (Food Animals) ................... 4
VM Coll 561 Pharmacology ..................................... 3
VM Coll 603 Neurobiology ..................................... 6
VM Coll 604 Endocrine System ..................................... 5
VM Coll 614.01 Basic Life Skills.................................... 1
Electives (Recommended first year) ....................... 1-3

Second year Hours
Autumn quarter
VM Coll 600 Cardiovascular System ................... 6
VM Coll 601 Respiratory System .................... 5
VM Coll 614.02 Career Strategies .................... 1

VM Coll 618 Hemic-Lymphatic....................... 5
System
VM Coll 646 Population Medicine .................... 2
Electives (Recommended) ....................... 3

Winter quarter
VM Coll 602 Urinary System .................... 5
VM Coll 607 Musculo-Skeletal .................... 6
System
VM Coll 609 Digestive System .................... 6
VM Coll 613 Fluid Therapy .................... 1
VM Coll 614.03 Leadership Success I .................... 1
Electives (Recommended) ....................... 3

Spring quarter
VM Coll 562 Introduction to Anesthesiology .................... 2
VM Coll 563 Introduction to Surgery .................... 3
VM Coll 605 Reproductive System .................... 5
VM Coll 606 Integumentary System .................... 5
VM Coll 608 Principles of Non-Mammalian Species ................... 2
VM Coll 610 Parasite Control .................... 2
VM Coll 614.04 Communications I .................... 1
Electives (Recommended) ....................... 3

Third year Hours
Autumn quarter
VM Coll 612 Introduction to Veterinary Ophthalmology ........ 3
VM Coll 614.05 Career Development/ Business Managment
VM Coll 615.01 & 615.02* Small Animal Medicine and Surgical Techniques OR
VM Coll 616 & 617* Food Animal Medicine and Techniques
VM Coll 640 Veterinary Toxicology .................... 3
Electives (Recommended):
Surgery Qtr .................... 5-7
Techniques Qtr .................... 7-9

Winter quarter
VM Coll 564 Pharmacology II .................... 3
VM Coll 611 Veterinary Preventive Medicine .................... 4
VM Coll 615.01 & 615.02* Small Animal Medicine and Surgical Techniques OR
VM Coll 616 & 617* Food Animal Medicine and Techniques
Electives (Recommended):
Surgery Qtr .................... 5-7
Techniques Qtr .................... 7-9

Electives (Recommended):
Surgery Qtr .................... 5-7
Techniques Qtr .................... 7-9

Winter quarter
VM Coll 564 Pharmacology II .................... 3
VM Coll 611 Veterinary Preventive Medicine .................... 4
VM Coll 615.01 & 615.02* Small Animal Medicine and Surgical Techniques OR
VM Coll 616 & 617* Food Animal Medicine and Techniques
Electives (Recommended):
Surgery Qtr .................... 5-7
Techniques Qtr .................... 7-9

Winter quarter
VM Coll 564 Pharmacology II .................... 3
VM Coll 611 Veterinary Preventive Medicine .................... 4
VM Coll 615.01 & 615.02* Small Animal Medicine and Surgical Techniques OR
VM Coll 616 & 617* Food Animal Medicine and Techniques
Electives (Recommended):
Surgery Qtr .................... 5-7
Techniques Qtr .................... 7-9

Winter quarter
VM Coll 564 Pharmacology II .................... 3
VM Coll 611 Veterinary Preventive Medicine .................... 4
VM Coll 615.01 & 615.02* Small Animal Medicine and Surgical Techniques OR
VM Coll 616 & 617* Food Animal Medicine and Techniques
Electives (Recommended):
Surgery Qtr .................... 5-7
Techniques Qtr .................... 7-9

Winter quarter
VM Coll 564 Pharmacology II .................... 3
VM Coll 611 Veterinary Preventive Medicine .................... 4
VM Coll 615.01 & 615.02* Small Animal Medicine and Surgical Techniques OR
VM Coll 616 & 617* Food Animal Medicine and Techniques
Electives (Recommended):
Surgery Qtr .................... 5-7
Techniques Qtr .................... 7-9

Winter quarter
VM Coll 564 Pharmacology II .................... 3
VM Coll 611 Veterinary Preventive Medicine .................... 4
VM Coll 615.01 & 615.02* Small Animal Medicine and Surgical Techniques OR
VM Coll 616 & 617* Food Animal Medicine and Techniques
Electives (Recommended):
Surgery Qtr .................... 5-7
Techniques Qtr .................... 7-9
### Curricular information

**Fourth year**

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| Clinic II | |
| VM Coll 700.02 Small Animal Medicine | 2 |
| VM Coll 700.05 Equine Medicine | 6 |
| & Surgery | |
| VM Coll 700.12 Ophthalmology | 2 |
| VM Coll 700.15 Dermatology | 2 |
| VM Coll 700.16 Equine Emergency/ | 3 |
| Critical Care | |
| VM Coll 700.19 Small Animal | 2 |
| Cardiology | |
| VM Coll 700.20 Small Animal | 2 |
| Neurology | |
| VM Coll 700-22 Small Animal Oncology | 2 |
| Selectives | 2 |
| **Total** | 21+ |

| Clinic III | |
| VM Coll 700.01 Community Practice | 3 |
| VM Coll 700.04 Food Animal Medicine | 6 |
| & Surgery | |
| VM Coll 700.06 Equine Field Service | 3 |
| VM Coll 700.08 Preventive Medicine** | 5 |
| VM Coll 700.10 Large Animal Field | 3 |
| Service | |
| VM Coll 700-17 Shelter Medicine | 3 |
| & Surgery | |
| Selectives | 2 |
| **Total** | 23 |

| Elective quarter | |
| Electives (minimum of) | 4 |

*The curriculum divides the calendar year, lasting from Spring Quarter Year 3 through Winter Quarter Year 4, into three trimesters. Clinics I, II, and III will run concurrently. Each student must rotate through each clinic grouping prior to graduation. The elective quarter must be taken Spring Quarter of Year 4.*

Course descriptions can be found on the OSU web site by going to [www.ureg.ohio-state.edu/](http://www.ureg.ohio-state.edu/) and looking under Course Descriptions and/or Course Information. Enter VM COLL in the Department box.

**Academic standards**

The faculty of the College of Veterinary Medicine has established minimum academic standards for veterinary medical students (Rule 3335-9-23 of the Administrative Code).

Only grades of core and elective courses required in the curriculum of the College of Veterinary Medicine shall be used in computing the point-hour ratios of students. Once students have scheduled approved elective courses, they become part of their required veterinary medical curriculum. In order to be eligible for graduation, students must attain minimum cumulative point-hour ratios of 2.00 and fulfill all other requirements.

**Probation**

- If at any time in the first two quarters students achieve cumulative point-hour ratios of less than 2.00 but at least 1.75, they shall be warned and placed on probation.
- At the conclusion of Spring Quarter of the first year and thereafter, students who achieve cumulative point-hour ratios of less than 2.25 but at least 2.00 shall be warned and placed on probation.
- Students who earn the grade E in an approved elective course shall be placed on probation and must repeat the course satisfactorily as soon as possible at a time when the course is regularly offered.

Students who are on academic probation must obtain adviser approval when registering for electives.

**Dismissal**

- If at any time during the first two quarters students achieve cumulative point-hour ratios of less than 1.75, they shall be dismissed from the college.
- At the conclusion of Spring Quarter of the first year and thereafter, students who fail to achieve and maintain cumulative point-hour ratios of 2.00 shall...
be dismissed from the college.

• Students who earn the grade E in a core course at any time during their program shall be dismissed from the college.

Students must receive a passing grade in all segments of a core course, even though the final grade for the course is a composite or average of the grades from all segments. Failure of a segment of a core course will result in dismissal of the student. Students will be notified by the instructor if they are failing a course.

The College Academic Standards Council serves to advise the Executive Committee on student academic problems. The Executive Committee may dismiss students at any time, if after due consideration and due process it finds that they have failed to maintain satisfactory levels of academic performance and/or proficiency.

Readmission

Students who have been dismissed from the College of Veterinary Medicine may request readmission through petition via the Academic Standards Council to the Executive Committee. Petition forms are available in the Student Affairs Office. Students who are readmitted by the College are subject to any special requirements deemed appropriate. All E grades and any other grades as determined by the college must be repeated.

If the college requires that a first-year course be repeated, the grade received in the repeated course, if C or better, shall replace the original grade for purposes of calculating the cumulative point-hour ratio. If readmission requirements stipulate that any course other than a first-year course be repeated, the grade received in the repeated course, if C or better, shall be averaged with the original grade to establish a new cumulative point-hour ratio. In either case, any repeated course grade will appear on the student’s permanent record, along with the original grade. The credit hours in repeated courses will not count toward graduation.

Third- and fourth-year students may petition the Academic Standards Council to continue in the curriculum with one E in a core course provided they meet the following conditions: a) The student has not previously been on academic probation; b) The student has not obtained a grade of D or less in any other core course; and c) The student has not previously been dismissed for academic failure.

Such students must repeat the course in which the E was received the next time it is offered, repeating all quizzes, midterms, finals, and other requirements used in determining the letter grade, and receiving a grade of not less than C. Students who are allowed to continue under the above conditions who do not obtain at least a C in the repeated course shall be dismissed.

Students who are readmitted shall sign a Readmission Acceptance Form indicating that they agree, in full, to the conditions of readmission. Students who fail to comply with the requirements of their readmission shall be dismissed.

Reinstatement

Students who voluntarily withdraw from the college may request reinstatement through petition via the Academic Standards Council to the Executive Committee.

Combination curricula

Students interested in these programs should consult the bulletin of the appropriate college or the Graduate School for more information about degree requirements. It is possible for students to enroll concurrently in the College of Veterinary Medicine while enrolled in another college as listed below:

Agriculture—Veterinary Medicine

Applicants to the College of Veterinary Medicine who have completed their preprofessional course requirements may select courses for a major which leads to the degree Bachelor of Science in Agriculture. Students must select an appropriate major and register for this program at the time of admission to the College of Veterinary Medicine.

Arts and Sciences—Veterinary Medicine

Students may choose to pursue a curriculum which leads to the degrees Bachelor of Arts or Bachelor of Science and Doctor of Veterinary Medicine. Students enroll in the Colleges of the Arts and Sciences for the first three years of this program and then, if accepted, register in the College of Veterinary Medicine to complete the requirements during the four years of professional education.

Graduate School—Veterinary Medicine

Medicine program is possible at the conclusion of the first year of the veterinary medical
curriculum. The veterinary medical student must have approval for dual registration from the Dean of Students of the College of Veterinary Medicine and must also obtain admission to the Graduate School.

**Procedures**

- A student enrolled in the College of Veterinary Medicine who desires to dually register in the Graduate School and the College of Veterinary Medicine (referred to as the “VME-7” program), shall obtain a permission form from the Student Affairs Office and take it to the Chairperson/Graduate Studies Committee of the department in which he or she wishes to undertake graduate study. If the department accepts the student for graduate study, the chairperson will sign the student’s form to that effect and assign a graduate adviser.

- The student shall return this form to the Dean of Students of the College of Veterinary Medicine who shall then, if the student is qualified academically, recommend the student, in writing, to the director of admissions for dual registration. First-year veterinary medical students are not permitted to dually register until they have demonstrated superior scholastic work by completing the first-year of the professional curriculum.

- After the student has been admitted to the Graduate School and the Graduate-Veterinary Medicine curriculum by the Admissions Office, the copy of the admission statement is mailed or carried in person to the Graduate School Office. The student shall also go to the Student Affairs Office in the college to ensure that his or her records reflect this dual registration.

Students enrolled in the Graduate School prior to admission to the College of Veterinary Medicine must request transfer to graduate-veterinary medicine status. The forms for this purpose are available in the college Student Affairs Office.

- The student shall then consult his or her Graduate School adviser, who will arrange a program of study.

- The course of study agreed upon will be presented to the Graduate School for review. If approved, it is recorded.

Students contemplating concurrent registration should consult the *Graduate School Bulletin* for procedures and fees involved.

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**Graduation with honors**

Candidates for the DVM degree who rank in the top ten percent of their class academically may be recommended for the degree Doctor of Veterinary Medicine with Honors, using the following criteria:

Eligible candidates for the DVM degree who have a cumulative point-hour ratio for their academic work during their professional studies of 3.90 or higher may be recommended for the degree Doctor of Veterinary Medicine *summa cum laude*.

Eligible candidates for the DVM degree who have a cumulative point-hour ratio for their academic work during their professional studies of 3.70 or higher may be recommended for the degree Doctor of Veterinary Medicine *magna cum laude*.

Eligible candidates for the DVM degree who have a cumulative point-hour ratio for their academic work during their professional studies of 3.50 or higher may be recommended for the degree Doctor of Veterinary Medicine *cum laude*.

**Certification**

It is important for every student to understand that, while certain curricula are designed for the purpose of achieving registration or certification, or both, by an outside agency, completion of such an academic program in no way assures the student of successful registration, certification, or licensure. No employee, agent, or representative of this university is authorized or empowered to provide such assurances either directly or by implication.

**Licensure requirements**

In order to practice veterinary medicine in the state of Ohio, graduate veterinarians must submit passing scores on the North American Veterinary Licensing Examination (NAVLE) to the Ohio Veterinary Medical Board. All states require the NAVLE, and students should inquire into the policies of the state in which they intend to practice. The time, place, and application procedure for examinations are announced each year. Only graduate veterinarians who have successfully completed the examination receive a license to practice.

**Awards for excellence in veterinary medicine**

**Senior Awards in Clinical Sciences** These
awards are presented annually to outstanding seniors in small animal medicine, small animal surgery, equine medicine and surgery, food animal medicine and surgery, anesthesiology, and public health. The awards are based on scholastic achievement, professionalism, communication skills, patient management skills, and knowledge of the subject. Award selection is made by faculty in the subject area.

**Senior Award for Scholarship** Selection is based on cumulative point-hour ratio and interest and enthusiasm for a career with lifelong learning.

**Senior Service Award (AVMA Auxiliary Award)** Selection is based on demonstrated interest and service to the profession and community by participation and leadership in professional and community organizations. Selection is made by the students in the college.

**Research Award** Presented to the student in the college who has demonstrated interest, aptitude, and skill in research. Selection is made by the Research Committee of the college.

**Alpha Psi Award** Presented to the outstanding third-year student. This award is sponsored by the Alpha Psi fraternity for excellence in all aspects of clinical veterinary medicine, team cooperation, communication skills, and knowledge.

**Omega Tau Sigma Service Award** Sponsored by the Omega Tau Sigma fraternity for the outstanding third-year student based on leadership, participation in extracurricular activities, and contribution to the class, the college, and the community.

**Gross Anatomy Award** This annual award is given by the Department of Veterinary Anatomy and Cellular Biology to a first year student for scholarship and interest in the field of anatomy.

**Omega Tau Sigma Gamma Award** This is presented to the senior who, through personality, character, scholarship, leadership, adeptness, and interest in performing clinical assignments, shows the most promise of developing into an outstanding practitioner. Selected by faculty and alumni of Omega Tau Sigma.

**Alpha Psi Alumni Scholarship Awards** These are presented annually to members of the fraternity on the basis of scholastic achievement.

The following awards are for residents and graduate students in the College of Veterinary Medicine:

**Allen Products (ALPO) Scholarship** Awarded for postdoctoral fellowships in the study of clinical nutrition and nutritional diseases of the dog.

**Squibb Resident Grant** Awarded for support of a veterinary medicine resident selected by the faculty for knowledge, performance, and clinical proficiency.

**Student rights and responsibilities**

Students who believe that their rights have been violated or that the university has not responded to their needs do have means of resolving their complaints. The College of Veterinary Medicine has established a policy for handling academic grievances; students may request copies of this policy at the college Student Affairs Office. The university’s Office of Human Resources handles complaints of discrimination, and the Office of Student Judicial Affairs can advise students of their rights or help them prepare for judicial hearings.

**Honor Code**

One of the objectives of the College of Veterinary Medicine is to provide an environment that is conducive to the development of the proper attitudes and attributes in students who are to become members of the veterinary profession. Veterinarians are expected to be individuals of integrity, exemplary moral character, strong motivation, leadership ability, and sincere dedication to the service of society.

These qualities can best be fostered in an environment that includes an honor system as an integral part of the educational experience. Therefore, the faculty of the College of Veterinary Medicine has officially adopted an honor code.

The Honor Code requires complete integrity on the part of students in word and deed and carries with it the responsibility to report all violations. In the laboratory and classroom, students perform their own assignments and do not cheat or take advantage of classmates. In their personal lives, students are expected to conduct themselves with professional decorum at all times. Reported violations of
the Honor Code are carefully investigated, and every precaution is taken to ensure that the rights of the individual are protected.

Through the Honor Code, the college is able to make available to all students more educational time, resources, facilities, and clinical experiences than would otherwise be possible. Only those individuals who are willing to accept the responsibility required by the Honor Code should apply for admission to the College of Veterinary Medicine.

### Attendance

Students must attend scheduled classes and clinics. The Executive Committee is authorized to place on probation or recommend for dismissal any students who violate this rule without just cause. The instructor of each class is responsible for regulations governing absences and students must adhere to these rules. Under no circumstances does an excused absence relieve students from the responsibility of completing missed work. The instructor will report irregular attendance and excessive absences to the Dean of Student Affairs, who will treat the matter as a case of discipline.

In cases of family emergencies, prolonged illness, or hospitalization, students may be placed on leaves of absence and will be permitted to return to their programs of study at appropriate times. When returning from leaves of absence, students must present to the Dean of Student Affairs a report describing the reason for the leave of absence with appropriate supporting documentation before students will be permitted to resume their regular course of study. These reports will be confidential.

### Absences

It is the student's responsibility to notify his/her instructors when it is necessary to be absent from a class or an exam. If the student misses an examination or a clinical rotation, they must complete an absence form. These forms are available from instructors or the Veterinary Student Affairs Office. Students must make up any missed work as directed by the course instructor. Students who, with faculty approval, are unable to take a final exam at the regularly scheduled time are required by the college to take the exam within two weeks of the end of the quarter, or they will be dismissed for having failed the course. Exceptions to this rule will be considered on an individual basis. During the clinical rotations, absences of 1-3 days should be made up at the earliest possible time that can be arranged. Absences will result in the student receiving a grade of incomplete until the missed time is made up. Exceptions to this policy are at the discretion of the individual course leader. Absences of 4 or more days from most rotations result in a significant continuity loss during the learning experience. Students missing 4 or more days in a rotation will be disenrolled from that rotation and required to repeat the rotation in a subsequent quarter. Exceptions to this policy are at the discretion of the individual course leader. Students may make up missed time during any unassigned time period with concurrence of the rotation leader. This includes unscheduled break periods and the elective quarter. A student must complete the Student Leave Form prior to the scheduled absence from a clinical rotation.

### Examinations

The exact manner in which examinations are conducted is left to the discretion of the instructor in charge of the course. Examinations are to be taken when scheduled. Exceptions require approval of the team leader prior to the scheduled exam. The objective of the examinations is the fairest possible appraisal of the student’s veterinary medical knowledge and its application. All examinations are conducted under the honor code, jointly administered by the Veterinary Medical Student Council and the Office of the Dean.

### Marking and point systems

The grades used by the College of Veterinary Medicine and their equivalent points are: A (4.00), A- (3.70), B+ (3.30), B (3.00), B- (2.70), C+ (2.30) C (2.00), C- (1.70), D+ (1.30), D (1.00), E (failed, no points). Other marks are EM, I, K, NP, P, PA, R, S, U, or W. Definitions of these marks are in the Course Offerings Bulletin. Veterinary students who are assigned the grade I (Incomplete) must submit necessary tests, papers, and other assignments during the quarter break, but no later than the end of the second week of the following quarter. Any exceptions must be approved by the team leader. When discrete segments of a course can be identified, the student must receive a passing/satisfactory grade in each segment even though the final grade for the course is a composite or average of the grades for all segments.

Students will be notified as soon as it becomes obvious that their academic performance places them in danger of failing to meet minimum course
Report of marks
Upon completion of the course requirements, marks for every student shall be reported to the Office of the University Registrar in accord with deadlines listed in the quarterly Master Schedule of Classes. This office maintains the student’s official permanent record and is responsible for issuing a quarterly grade report to each student.

Utilization of time
In the best interests of veterinary medical education, the faculty urges students to devote their full attention and energy to the excellent academic opportunities in the professional program. Students should allow time in their schedules for regular recreation and relaxation so that they can maintain their health and preserve a wholesome perspective. The faculty cautions students about using free time for outside employment to an extent that interferes with their academic performance.

Health and safety guidelines for veterinary medical students
The potential for human injury always exists in the study of veterinary medicine. The greatest hazards are accidents which can occur to the student while working with animal patients. Added hazards exist through exposure to radiation, infectious agents, inhalation, anesthetics, solvents, fixatives, and toxic doses of drugs and other chemical compounds. Students with existing medical conditions may be at an increased risk.

Rabies immunization
Veterinarians are considered a high-risk group for exposure to rabies. Rabid animals, particularly large animals, are presented to and examined by our faculty and students. Exposure to the diseased animal’s saliva or to saliva-contaminated objects can result in infection. Bite wounds are the most dangerous, but are not the only method of transmission. For the student’s own protection, all students entering the College of Veterinary Medicine are required to be immunized against rabies. This can be done at the student’s expense by the student’s personal physician, at the Ohio State Health Center, or at another appropriate health care facility. Verification of immunization is necessary to complete the requirements for matriculation into the veterinary program.

A signed, notarized waiver releasing the college and university from any responsibility must be presented by those students who do not wish to comply with the rabies immunization requirement. Any student who waives pre-exposure vaccination will be responsible for the costs of treatment if later exposed to rabies.

Common rights and responsibilities
It is recognized that the student, based on a physician’s assessment of circumstances, has the right and responsibility for decisions concerning his/her health status and behavior. Whatever the decision may be, a student should expect due consideration from everyone in relation to his/her medical condition, including pregnancy or disability. At the same time, the affected student is expected to complete each and every requirement of the veterinary curriculum by a schedule or plan that can be implemented and with risks which are deemed assumable by that student and the attending physician. A faculty member may refuse to allow a student to be actively involved in any activity whenever that faculty member considers the potential for accidents or exposure to hazards too high. The student may appeal this decision to the College Executive Committee through the College Health and Safety Committee. Copies of all documents pertaining to a medical condition affecting a student’s assignment must be maintained in a confidential student’s file.

Procedures following injury
Students injured during the performance of duties in or associated with the college will go to the University Health Service, the University Hospital Emergency Room, or any other medical care facility for evaluation or treatment. The Student Affairs Office will be notified in a timely manner. If the injury results in a temporary disability, procedures outlined in that section of these guidelines should be followed.

Procedures for rabies prophylaxis and exposure
The college has a special requirement that all students be immunized against rabies. If the student does not wish to comply with this requirement, he/she must complete the “Rabies Immunization Waiver” form. Any student potentially exposed to a rabid animal will be directed to the University Health
Service for examination. The physician in charge will determine the post-exposure prophylaxis and treatment necessary, based upon the exposure and immunization history. Ohio State student health insurance will cover the costs of post-exposure treatment for students with pre-exposure vaccinations.

**Procedures for pregnant or temporarily disabled students**

The potential for human injury always increases whenever an individual is either pregnant or temporarily disabled from any cause, i.e., broken leg, disease, etc. Responsibilities of the temporarily disabled or pregnant student are:

1. Contact a physician immediately. Inform the physician of laboratory and/or clinical rotations scheduled during the expected length of temporary disability or pregnancy, and seek the physician’s advice on selecting the proper options.
2. Inform the Student Affairs Office of the temporary disability or pregnancy as soon as possible. Upon completion of the consultation with the physician, contact the Student Affairs Office for selection and implementation of the proper option. The Student Affairs Office will coordinate this option with the proper faculty.

**Available options**

1. Withdraw as a student. The pregnant or temporarily disabled student may consider withdrawing from school and plan to be reinstated to graduate with a subsequent class in veterinary medicine. This option minimizes risks and reduces the concerns of everyone. All students who withdraw must apply to the College Academic Standards Council for reinstatement.
2. Continue as a regular student with some schedule and assignment changes. This option may not delay or only slightly delay the time of graduation. This option may not be without risks. It is dependent upon:
   a. Making changes in the pregnant or temporarily disabled individual’s schedule of clinical and laboratory assignments.
   b. Willingness of classmates to exchange scheduled assignments with the pregnant or temporarily disabled student.
3. Continue as a regular student with no schedule or assignment changes, with the student being aware of possible hazards and willing to assume any risks involved.

**Radiation safety**

During the basic course in radiology, which is taught to all veterinary students in the Winter Quarter of the second year, the hazards of radiation exposure will be reviewed and emphasized. The genetic and somatic effects and methods of protection will be discussed. The importance of shielding, distance, and type of radiation will be emphasized. Students will be required to study the biological effects of radiation in the USDA Radiological Training Manual. During any radiological procedure, each student is required to wear an apron and gloves which have been impregnated with lead (0.5 mm lead equivalent). Any student assigned to the anesthesia service must wear an apron if required to monitor a patient during a fluoroscopic examination. Fourth-year students who are responsible for radiographic examinations must wear a film badge, which identifies the type and amount of radiation to which each student has been exposed. This gives the student a permanent record of radiation exposure (by report from a commercial monitoring company) and assesses the safety of student activity in clinical assignments. Careful scrutiny by the University Radiation Safety Office is an added safeguard against careless practices while wearing monitoring badges. Radiographic equipment is properly secured after normal working hours to prevent unauthorized use by students.

**Pets**

Students’ personal pets are not allowed in college buildings unless they are patients or are being used in a teaching laboratory. When on college grounds, they are to be kept on a leash. Failure to comply with this rule constitutes an Honor Code violation.

**Postgraduate programs**

Qualified graduates may pursue either the Master of Science or the Doctor of Philosophy degree in programs of instruction offered by each of the departments in the college. Students enrolled in the graduate-veterinary medicine combination curriculum may also enroll in graduate courses. See the Graduate School Bulletin for general requirements for advanced degrees, departmental descriptions, and specific requirements for areas of study. Write to the appropriate department for more information about graduate studies in clinical and preclinical areas.
Residency programs
Graduate veterinarians may apply for residency education in the College of Veterinary Medicine. The Department of Clinical Science offers programs in anesthesiology, dermatology, internal medicine, ophthalmology, radiology, surgery, or theriogenology. Approximately 30 approved positions are available each year. Students who complete the three-year program are eligible to take an examination and apply for certification by the appropriate professional accrediting board.

The departments of Veterinary Biosciences and Veterinary Preventive Medicine also offer programs for board certification for approximately 40 students. Write to the appropriate department for more information.

Academic departments

Department of Veterinary Biosciences
207 Goss Laboratory, 1925 Coffey Road, Columbus, Ohio 43210-1005; 614-292-5661

Degrees offered Master of Science, Doctor of Philosophy

Areas of teaching responsibility
Veterinary anatomy and cellular biology encompass the specialties of macroscopic, developmental and microscopic anatomy; neuroanatomy; and ultrastructural cytology. Faculty members teach these specialties through a multidisciplinary approach to the study of structure and function. Microscopic anatomy is taught in a modern histology laboratory. Macroscopic anatomy is taught principally by dissection and is divided into topographic, surgical, and neuroanatomy.

Veterinary pathobiology is the study of the biology of disease and is concerned with abnormal structure and function, mechanisms of disease production, and the biology of agents which cause disease. The unifying concept within the discipline is the pathogenesis of diseases in animals. Faculty members in pathobiology have responsibility for teaching anatomic and clinical pathology, microbiology, immunology, virology, and molecular biology. Pathobiology forms a vital bridge between the basic and clinical sciences within the professional curriculum. Faculty in veterinary physiology and pharmacology are responsible for teaching in the professional, graduate, and undergraduate curriculum on topics in physiology, pharmacology, toxicology, endocrinology, reproduction, and biochemistry. Both in vivo and in vitro models, and animals with naturally occurring diseases, are utilized for the education of graduate students and postdoctoral fellows.

Areas of research specialization
The department offers the following major professional disciplines in veterinary medicine: anatomy, cellular and molecular biology, microbiology, pathology, pharmacology, physiology, and toxicology. Advanced studies are offered within the following areas of research emphasis:

• Anatomy: microscopic anatomy and ultrastructure, developmental anatomy, gross anatomy, and neurobiology.

• Microbiology: pathobiology of infectious diseases in animals (viral, bacterial, fungal), pathobiology of parasitic diseases in animals (protozoal and metazoal), and pathobiology of retroviral diseases.

• Pathology: comparative oncology, immunopathology, chemical pathology, comparative pathobiology of endocrine and metabolic diseases, comparative pathobiology of the nervous system, comparative pathobiology of the skeletal system, and comparative clinical pathology and clinical chemistry.

• Pharmacology: comparative pharmacodynamics, drug metabolism, developmental cardiovascular and autonomic pharmacology, and chemotherapy.

• Physiology: comparative mammalian cardiovascular, pulmonary, gastrointestinal, reproductive and endocrine physiology; cardiac electrophysiology; and biomedical engineering.

Department of Veterinary Clinical Sciences
1010 Veterinary Hospital, 601 Vernon L. Tharp Street, Columbus, Ohio 43210-1089; 614-292-7105

Degrees offered Master of Science, Doctor of Philosophy
Veterinary clinical sciences include the disciplines of medicine and surgery and their application to patient care. The Department of Veterinary Clinical Sciences is composed of eight sections which include small animal internal medicine, small animal surgery, equine internal medicine and surgery, food animal medicine and surgery, ambulatory, anesthesiology, radiology, and clinical laboratories. Faculty and students treat more than 20,000 patients annually at the Veterinary Hospital, and the Ambulatory Service makes more than 16,000 calls to farms in surrounding areas, providing a valuable service to the public and essential professional experience for students.

Graduate programs currently offered include cardiology, dermatology, gastroenterology, internal medicine, nephrology, neurology, anesthesiology, nutrition, oncology, ophthalmology, orthopedics, clinical pharmacology, exercise science, animal herd health, radiology, reproductive science, surgery, and zoo animal medicine. Faculty members are responsible for teaching in the previously listed disciplines and all surgical and medical courses.

**Department of Veterinary Preventive Medicine**
A184 Sisson, 1920 Coffey Road, Columbus, Ohio 43210-1092; 614-292-1206

**Degrees offered** Master of Science, Doctor of Philosophy

Faculty members in veterinary preventive medicine have expertise in epidemiology, infectious diseases, microbiology, and population medicine.

Investigators in the Food Animal Health Research Program at The Ohio Agricultural Research and Development Center in Wooster, Ohio, are also members of the department faculty.

The department is responsible for teaching epidemiology, population medicine, and disease control in food-producing species. In addition, the department provides fourth year students with clinical instruction in production medicine and veterinary public health. As part of this clinical instruction students are required to participate in off campus assignments. An essential portion of the student's professional experience is provided when students accompany department faculty located at the Marysville ambulatory practice to area farms.

The department has an excellent graduate program in conjunction with its research efforts.

**College and university services and opportunities**

**Orientation**
All new students in the College of Veterinary Medicine receive a student handbook and information advising them about books, instruments, laboratory uniforms, and other general matters before Autumn Quarter classes begin. Special orientation meetings are held for all first year students. This information is also available on the college's home page.

**Academic counseling**
In the College of Veterinary Medicine, the Student Affairs Office is the counseling center. The Dean of Student Affairs and members of the faculty share the responsibility for advising students. The Director of Educational Resources assists students with a variety of study skills and time management techniques. Tutors for academic subjects are also available.

**Career counseling and placement service**
The placement service is coordinated through the Division of Educational Resources to assist veterinary medical students in securing positions after graduation. Employment opportunities are posted on a placement bulletin board and filed in the Office of Educational Resources according to type of practice and location. Positions in research, industry, and higher education are also listed. The listings are available to graduates as well as current students. The Office of Educational Resources is available to assist veterinary students with developing resumes.

**Organizations**
Veterinary medical students may participate in many campus-wide organizations, including the Interprofessional Council and University Senate.
Preveterinary Club
The Preveterinary Club is an undergraduate organization whose mission is to provide information and items of general interest to students concerned with selecting a career in veterinary medicine. A college faculty adviser assists the club in their activities.

Veterinary Medicine Student Council
This council administers the college’s student honor system, serves as a liaison between students, the Dean, and the Executive Committee, and represents the students of the college in other professional groups on campus.

Alpha Psi and Omega Tau Sigma
These are national veterinary fraternities with active chapters at Ohio State. Many social events at the college center around these student organizations.

Professional societies and honoraries
Through the many professional societies and honoraries, veterinary medical students have opportunities to participate in social and public service activities, to promote academic achievement, and to foster professional attitudes and behavior.

Phi Zeta
This is a national veterinary medical honorary society represented by Delta Chapter at The Ohio State University. It annually elects to its membership third- and fourth-year students on the basis of superior scholarship, outstanding professional qualities, and character.

Student Chapter American Veterinary Medical Association (SCAVMA)
SCAVMA acquaints students with the privileges and responsibilities they must assume in the general professional, social, and economic framework of the nation. It takes an active part in promoting professional and social programs in the college. All veterinary medical students are encouraged to join and participate in its activities. As members of the student affiliate, graduates of the college may automatically transfer their memberships to the American Veterinary Medical Association.

Speculum
This semiannual publication is cosponsored by the College and its Alumni Association and carries news to the alumni, faculty, students, and other persons interested in the activities of the college.

Easy Reference Page

University references

Bookstores
University Bookstore
Contact: Central Classroom Building, 2009 Millikin Road, Columbus, Ohio 43210-1243; call 614-292-2991 for store hours; bookstore@osu.edu.

Health Sciences Bookstore
Contact: Postle Hall, 305 W. 12th Avenue, Columbus, Ohio 43210-1241; 614-292-5731

Counseling and consultation:
Services: Career development; academic and personal counseling; and psychological and psychiatric services.
Contact: Younkin Success Center, 1640 Neil Ave., Columbus, Ohio 43210-2333; 614-292-5766; FAX 614-688-3440; www.css.osu.edu

Disability services
Contact: Office for Disability Services, 150 Pomerene Hall, 1760 Neil Avenue; 614-292-3307 (voice); or 614-292-0901 (TDD); 24 hour information line 616-292-3307; FAX 614-292-4190; www.ods.osu.edu

Health services and clinics
Wilke Student Health Center services:
Medical, dental, gynecology, optometry, allergy, and preventive medicine services. Support services include radiology, laboratory, pharmacy, injection therapy, and physical therapy.

Student Wellness Center services:
Nutrition counseling, health education, and a wide variety of other wellness programs.

Emergency room services: available in the University Hospitals complex in Columbus.

Fees: The office visit fee for evaluation and management is waived for enrolled students. Fees exist for laboratory tests, xrays, pharmaceuticals, injections, special dental and minor surgical procedures, and emergency room care.

The center is open 8:00 a.m. to 4:30 p.m. Monday through Friday during the academic year and 7:30 a.m. to 4:00 p.m. during the summer. For more information call 614-292-2112; web site: www.shc.osu.edu.
Dental services: Dental Clinic in Postle Hall. **Contact:** 614-292-2751. **Hours:** Mon.-Fri. 8:30-11:30am/1:00 - 4:00 p.m.

Optometry services: The Optometry Clinic in Fry Hall, 338 West 10th Avenue, Columbus. **Contact:** 614-292-2020; 614-292-1863 for the Optometry Clinic in the Wible Student Health Center.

Speech-language-hearing services: The Speech-Language-Hearing Clinic in Pressey Hall. **Contact:** voice or TDD at 614-292-6251.

Student Health Plan: 614-294-1526

International student services **Contact:** Office of International Education, Oxley Hall, 1712 Neil Avenue, Columbus, Ohio 43210-1219; 614-292-6101; www.oie.ohio-state.edu.

Libraries **Hours:** found at www.lib.ohio-state.edu and in the quarterly Master Schedule of Classes.

Minority affairs **Contact:** Office of Minority Affairs, 102 Bricker Hall, 190 North Oval Mall, 614-292-4355; or 1000 Lincoln Tower, 1800 Cannon Drive, 614-292-0964; www.oma.admin.ohio-state.edu

Off-campus students **Service includes:** an interactive searchable housing data base. **Contact:** 342 Ohio Union, 1739 N. High Street, Columbus, Ohio 43210-1329; www.osuoffcampus.com/ **Hours:** 10:00am-7:00pm, Mon.-Fri. (Au, Wi, Sp Qtrs). Call 614-292-0100 for Su Qtr hours.

Police (campus) **Contact:** 614-292-2121; admin@ps.ohio-state.edu; www.ps.ohio-state.edu.

OIT (Office of Information Technology) **Services:** computing resources, Internet access, and e-mail. More information in the quarterly OIT Guide to Services, available in OIT Student Computer Centers around campus; web site: www.oit.ohio-state.edu.

Reserve Officer Training Corps Study in association with the U.S. Army, Navy, or Air Force Reserve Officers Training Corps (ROTC) programs offer training and experience in leadership and management and lead to a commission in the armed forces. Ohio State grants academic credit for all ROTC courses offered by the departments of Military Science, Air Force Aerospace Studies, and Naval Science. **Contact:** Air Force Aerospace Studies, 353 Converse Hall, 614-292-5441; Military Science (Army), 253 Converse Hall, 614-292-6075; and Naval Science, 110 Converse Hall, 614-292-6016; 2121 Tuttle Park Place, Columbus, Ohio 43210-1169. Contact the Admissions Office for further details on the university granting credit for service schools per the American Council on Education recommendation of credit.

Student housing **Contact:** Office of Housing Assignments, 350 Morrill Tower, 1910 Cannon Drive, Columbus, Ohio 43210-1290; 614-292-8266; Fax 614-292-6906

Transportation & parking services **Contact:** 160 Bevis Hall, 1080 Carmack Road, Columbus, Ohio 43210-1002; 614-292-9341; tpinfo@osu.edu; www.tp.ohio-state.edu.

Veterans affairs **Contact:** Office of Veterans Affairs, Archer House, 2130 Neil Avenue, Columbus, Ohio 43210-1175; 614-292-3453; veterans@osu.edu

Women student services **Contact:** Student Gender and Sexuality Services, 464 Ohio Union, 1739 North High Street, Columbus, Ohio 43210-1392; 614-292-8473; www.osu.edu/units/ir/sgss/wsspage.htm

**Officers and faculty**

**Officers**
John A.E. Hubbell, Interim Dean
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