

PRE-VETERINARY MEDICINE**JCJC CURRICULUM SHEET**

Students seeking a career in veterinary medicine should acquire a sound foundation in the biological and physical sciences and a general knowledge of the humanities. Because of the increasing use of information technology in Veterinary Medicine, students are strongly encouraged to acquire familiarity with computers. They must have a demonstrated aptitude for scientific study, and, in addition, experience with animals. See other notes on the back.

Students may apply for admission to the MSU College of Veterinary Medicine any time after completion of the pre-veterinary requirements. As noted under **Notes** on the reverse, this is at the end of the second or third year of studies for most applicants. Admission to the professional program of the College of Veterinary Medicine is limited, competitive, and selective. To qualify for admission, a candidate must have satisfactorily completed 67 semester hours to include the core curriculum requirements of MSU and meet other requirements of the College of Veterinary Medicine.

FRESHMAN YEAR**AGRICULTURAL SCIENCE (4HRS)**

AGR 1214 Animal Science + 4
+freshman should enroll in this course fall semester

ENGLISH COMPOSITION (6 HRS)

ENG 1113 English Comp. I 3
ENG 1123 English Comp. II 3

HUMANITIES: HISTORY (6 HRS in one group)

HIS 1113 Western Civ. I 3
HIS 1123 Western Civ. II 3
HIS 2213 American History I 3
HIS 2223 American History II 3

SOCIAL SCIENCE+ (6-9 HRS)

PSY 1513 General Psychology 3
SOC 2113 Sociology 3
PSC 1113 Am. Nat. Government 3
ECO 2113 Economics I 3
AGR 2713 Ag. Econ.* 3
* required course
+ See note over.

MATH (5-11 HRS)

MAT 1313 College Algebra 3
MAT 1323 Trigonometry 3

BIOLOGY LAB SCIENCE (8 HRS)

BIO 2414 Zoology I 4
BIO 2424 Zoology II 4
Genetics and Cell Biology are also required; usually are taken in the junior year of pre-vet studies.

PHYSICAL LAB SCIENCE (8 HRS)

CHE 1214 General Chemistry I 4
CHE 1224 General Chemistry II 4

SOPHOMORE YEAR**FINE ARTS + (3 HRS)**

ART 1113 Art Appreciation **or**
MUS 1113 Music Appreciation 3
+ See note over.

COMPUTER SCIENCE (3 HRS)

CSC 1113 Computer Concepts **or**
BAD 2533 Bus. & Micro. Comp. 3

BIOLOGICAL LAB SCIENCE (4 HRS)

BIO 2924 Microbiology 4

PHYSICAL LAB SCIENCES (12 HRS)

CHE 2424 Organic Chemistry I 4
CHE 2434 Organic Chemistry II 4
PHY 2414 Physics I 4
Biochemistry is also required; is usually taken in the junior year of pre-vet studies.

SPEECH (3 HRS)

SPT 1113 Speech 3

AGRICULTURAL ELECTIVES (7 HRS)

AGR 1313 Plant Science 3
AGR 2314 Soils 4

PRE-VETERINARY MEDICINE -- NOTES:

The three-year program for early admission into the College of Veterinary Medicine at MSU begins with two years of general education and continued on at a senior college campus for the third year. The three-year program requires that the student apply for admission to the Vet School near the end of the second year. While the student completes a third year of pre-vet studies, the admissions committee considers and accepts the next class of veterinary students.

Typically, a four-year pre-vet program of study is selected, utilizing the sample curriculum shown below. However, calculus is not required. The four-year program will select a major, most often in agriculture, and apply for admission to Vet School near the end of the third year of study, or prior to the senior year. While the student completes the senior year to graduate with a bachelor's degree in the selected major, the admissions committee selects the next class of veterinary students.

The application deadlines extend from August 1 (earliest day to apply) through December 1 (date application must be received) in the year prior to anticipated entrance into the professional veterinary program leading to the Doctor of Veterinary Medicine degree. Students do not need to complete all requirements prior to applying; however, they must complete all prerequisites prior to matriculation in the professional program.

The student should consult the MSU catalog for specific admissions procedures and other details concerning the program of study, especially for possible changes.

Electives: A total of 15 hours must be selected from across the following areas: **Humanities** (fine arts, history, literature, philosophy, religion, foreign language), **Fine Arts** (music, art, theater - credits from non-performing courses), **Social Sciences** (history, sociology, economics, geography, political science), and **Behavioral Science** (psychology).

Students without an adequate high school math background, which includes a minimum of Algebra II, should enroll in a preparatory math course, such as Basic Math, Beginning Algebra or Intermediate Algebra, prior to College Algebra. Preparatory math courses will not transfer to other institutions.

Additionally, students should plan to complete no more than half of the hours required for a bachelor's degree prior to transferring to the senior institution (for those not admitted directly into the professional program upon transfer). The student should consult the catalog of the senior institution for specific admissions procedures and other details concerning the program of study.

This CHECK SHEET should be used to keep a careful record of grades for each of the courses and should be presented to the student's advisor for planning the schedule of courses each semester at JCJC.