

Pre-Veterinary Studies at Winthrop University

Pre-Veterinary students at Winthrop University select a major in one of the academic departments. Because of the large number of undergraduate biology and chemistry courses required by vet schools, Biology or Chemistry are chosen by most students. Students should maintain a grade-point-average above 3.5 (out of 4.0), and take a sequence of courses designed to prepare them to take the Graduate Record Exam in the spring of their junior year, as shown in the schedule below. Some veterinary medical schools still require the VCAT. Because S.C. does not have its own school of veterinary medicine, three out-of-state schools admit a fixed number of S.C. residents as "in-state" students. These veterinary schools are located at the University of Georgia, at Tuskegee University, and at Mississippi State University. Requirements vary somewhat from school to school, but the following is a "generalized" course schedule.

Freshman Year: (See NOTE 1)

Fall

Principles of Biology [BIOL 203 & 204]
Freshman Chemistry I [CHEM 105]
Pre-Calculus Math or Calculus I [MATH 151 or 105]
Freshman Writing I [WRIT 101]
Principles of the Learning Academy [ACAD 101]
Freshman Symposium in Biology [BIOL 202]

Spring

Botany or Zoology [BIOL 205 or 206]
Freshman Chemistry II [CHEM 106,108]
Calculus 1 or Statistics [MATH 105 or 141]
The Human Experience: Who Am I [HMXP 102]
Elective
Elective

Sophomore Year:

Fall

Botany or Zoology [BIOL 205 or 206]
Organic Chemistry I [CHEM 301]
Critical Reading, Thinking, & Writing [CRTW 201]
Elective
Elective

Spring

Scientific Process in Biology [BIOL 300]
Organic Chemistry II [CHEM 302,304]
Biology Area Elective (see NOTE 2)
Microbiology [BIOL 310] is suggested
Elective
Elective

Junior Year:

Fall

Biology Area Elective
Genetics [BIOL 317] is suggested
Physics I [PHYS 201 or 211]
Human Anatomy [BIOL 307]
Biochemistry with Lab
Elective

Spring

Physiology [BIOL 308]
Physics II [PHYS 202 or 212]
Microbiology [BIOL 310] or
Cell Biology [BIOL 315]
Elective
Elective
Take GRE and/or VCAT in summer

NOTES:

1. Student-athletes are encouraged to plan "light" and "heavy" semesters according to needs of their particular sport. This is especially important during the sophomore year.
2. It is recommended that only very strong students "double up" with Biology 300 and another biology course; Organic Chemistry and Biology 300 together constitute a heavy course load.
3. AP credit toward the biology major is available for a 4 or a 5 on the AP exam. A score of three receives three hours' credit toward graduation, but does not count toward the biology major.

Use these guidelines to develop an appropriate program of study in consultation with your advisor.

For further information contact:

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