

## Pre-Pharmacy Studies at Winthrop University

Pre-Pharmacy 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 most pharmacy schools, Biology or Chemistry are chosen by most pre-pharmacy students (NOTE 1). However, talented students with strong science backgrounds whose primary interests lie in another academic area are encouraged to major in that area, provided that they can still take the requisite science courses. 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 Pharmacy College Admission Test (PCAT). The PCAT is given in January, July, and September.

The following courses are required to transfer to the pharmacy programs at Charleston, Columbia, or Greenville, South Carolina.

Curriculum	Semester Hours Required to Transfer	Winthrop's Semester Hours
English Literature/Composition (WRIT 101 and HMXP 102)	6	6
General Chemistry Lecture and lab (105, 106, & 108)	8	8
Organic Chemistry Lecture and lab (301, 302, & 304)	8	8
Principles of Biol. Lecture and lab (204 & 203) and General Zoology (206)	8	8
Microbiology (310)	3	4
Physics Lecture (201)	3	4
Anatomy/Physiology (307 & 308)	6	8
Calculus (105 or 201)	3	3
Statistics	3	3
Economics (general, micro, macro)	3	3
Psychology	3	3
Interpersonal Communication (speech, public speaking) (BIOL 480)	3	3
Electives (all in social sciences and humanities)	9	9
<b>Total Semester Hours</b>	<b>66</b>	<b>70</b>

### 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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