

# Biological Sciences

## Biology – Pre-Pharmacy – 2yr

### Suggested Course Outline

#### Freshman

Zoology & Lab	04-114/115	4	Microbiology	04-140	4
**Composition I	10-111	3	Composition II	10-112	3
***General Chemistry I & Lab	24-114/115	4	General Chemistry II & Lab	24-116/117	5
General Psychology	08-103	3	*Calculus	17-120	4
Freshman Seminar	71-101	1	<u>Total</u>		<u>16</u>
<u>Total</u>		<u>15</u>			

#### Sophomore

Statistics	17-114	3	Fundamentals of Oral Comm	29-102	3
Humanities Elective		3	General Economics	52-150	3
Organic Chemistry I & Lab	24-342/343	5	Organic Chemistry II & Lab	24-344/345	5
Sociology	35-101	3	Geography	32-101	3
<u>Total</u>		<u>14</u>	<u>Total</u>		<u>14</u>

\*Calculus prerequisites include 17-117 or 17-118/119.

\*\*Must be taken in the first 60 hours of coursework at Northwest.

\*\*\*If one has not taken a substantial high school chemistry course, Chemistry 112/113 should be taken first. Need to have mastered Algebra II in high school.

The student should take note that all of the programs that offer a Doctorate of Pharmacy degree have their own specific requirements for admission. The course outline above is a general outline designed to allow a student to apply for admission after completing 60 hours of credit (~2 years). The course outline above is designed around the requirements for the University of Nebraska Medical Center. The student should investigate the requirements for their school of choice. Certain requirements, however, seem to be universal. These include a minimum of four semesters of chemistry (through Organic II), eight hours of biology, mathematics including calculus and statistics, and assorted general education requirements in such fields as behavioral science, humanities, communication, and economics/business. Other programs may include more biology requirements such as microbiology, anatomy, and physiology.

Students who wish to complete their Bachelors Degree at Northwest before applying to admission to Pharmacy School are free to choose any major that suits their interest, provided that they meet the requirements listed above. For example, Pre-Professional Zoology, Cellular/Molecular, and Chemistry majors do an excellent job of preparing students for entrance to Pharmacy programs.

*( Please note this outline does not supersede the requirements listed in the Northwest Undergraduate Student Catalog nor does it constitute a contractual arrangement, rather it is for information only. It is the student's responsibility to be aware of and to meet all University and Department requirements as listed in the catalog.*

**Fall 2010**