

## B.S.-Pharmacology & Toxicology Pre-Requisite Course Requirements\*\*

### DESIGNATED COURSES AT UW COLLEGES\* Rev. 4/21/08

- Biology:** Zoology 101 (Animal Biology) or 237 (Vertebrate Biology) **AND** Biology 260 (Genetics) (preferable, **but acceptable only in conjunction with Zoology 101**) or Botany 130 (General Botany). **A one-semester general biology survey course (e.g., Biology 109, Concepts of Biology), and anatomy, physiology, and microbiology, do not count toward this requirement.**
- Chemistry:** Chemistry 145-155 (General Chemistry I-II) **AND either** 343-352-363 (Organic Chemistry I - Organic Chemistry Lab - Organic Chemistry II), **or** 343-351 and 363-361 (Organic Chemistry I - Organic Chemistry Lab Part I, and Organic Chemistry II - Organic Chemistry Lab Part II)
- Math:** Math 221 (Calculus & Analytic Geometry I), **but see the Important Information About Calculus link at <http://www.pharmacy.wisc.edu/admissions/pharmtox/calculus.cfm>**
- Physics:** Physics 141-142 (General Physics [2 semesters]) or 201-202 (General Physics [2 semesters])
- Communication:** *May be fulfilled by any one of these seven means:*  
Course work:  
(1) \*\*\*English 102 (Composition II), **or**  
(2) English 201 (Intermediate Composition), **or**  
UW System English placement test score(s):  
(3) an ENGL score of at least 605, **or**  
(4) an ECS score of at least 706, **or**  
(5) a UWEPT score of at least 660 **and** a UWRCT score of at least 730, **or**  
AP score:  
(6) a score of at least 4 on the English: Language & Composition exam, **or**  
(7) a score of at least 4 on the English: Literature & Composition exam
- Social Studies:** 3-6 credits of electives
- Additional course work:** Sufficient to result in a total of at least 60 transfer credits by the time of enrollment in the School of Pharmacy.

\* UW Colleges are UW-Baraboo, UW-Barron County (Rice Lake), UW-Fond du Lac, UW-Fox Valley (Menasha), UW-Manitowoc, UW-Marathon County (Wausau), UW-Marinette, UW-Marshfield, UW-Richland Center, UW-Rock County (Janesville), UW-Sheboygan, UW-Washington County (West Bend), and UW-Waukesha.

\*\* All of the requirements on this sheet are requirements for the major. The Associate of Arts & Science degree from a UW College does not automatically fulfill all pre-pharmacology/toxicology course requirements and non-major curriculum graduation requirements.

\*\*\* Non-native English speakers must take the UW-Madison English as a Second Language Assessment Test (ESLAT). Transfer credit for English 102 will be awarded only if the student demonstrates the required level of English proficiency.

\* **Pre-B.S.-Pharmacology & Toxicology students** may wish to include in their preparatory course work, if there is time/space, some of the non-major curriculum **graduation** requirements: the UW-Madison Communication "B" requirement, 6 credits of humanities electives, and 3 credits of ethnic studies. An ethnic studies course will count also as social studies or humanities, if the course qualifies as such. Non-major curriculum **graduation** requirements that are not completed prior to enrollment in the School of Pharmacy must be completed prior to graduation. Please contact the School of Pharmacy Admissions office for Communication "B" specifics and guidelines.

**NOTE: Credit by exam** will be granted **only in accordance with UW-Madison policies**. If students have been granted credit by another college or university for College Board Advanced Placement (**AP**) exams, College Level Examination Program (**CLEP**) exams, or International Baccalaureate (**IB**) exams, it is imperative that they be aware of the UW-Madison credit policies. This applies also to **retroactive foreign language credits**. Students should **not** assume that these types of credits that may have been granted by another college or university will be accepted by UW-Madison.