

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

DESIGNATED COURSES AT UW-MILWAUKEE

Rev. 4/21/08

- Biology:** Biological Sciences 150-152 (Foundations of Biological Sciences I-II). **A one-semester general biology survey course, and anatomy, physiology, and microbiology, do not count toward this requirement.**
- Chemistry:** Chemistry 102-104 (General Chemistry - General Chemistry & Qualitative Analysis) **AND** 343-344-345 (Organic Chemistry - Organic Chemistry Lab - Organic Chemistry)
- Math:** Math 231 (Calculus & Analytic Geometry) or 221 (Honors Calculus I) or 225-226 (Calculus with Precalculus I-II), **but see the Important Information About Calculus link at <http://www.pharmacy.wisc.edu/admissions/pharmtox/calculus.cfm>**
- Physics:** Physics 120-121 and 122-123 (General Physics I [Non-Calculus Treatment] - General Physics Lab I [Non-Calculus Treatment], and General Physics II [Non-Calculus Treatment] - General Physics Lab II [Non-Calculus Treatment]), **OR** 209-214 and 210-215 (Physics I [Calculus Treatment] - Lab Physics I [Calculus Treatment], and Physics II [Calculus Treatment] - Lab Physics II [Calculus Treatment])
- Communication :** *May be fulfilled by any **one** of these nine means:*
- Course work:
- (1) **English 102 (College Writing & Research), **or**
 - (2) **[old] English 112 (Writing & Critical Thinking), **or**
 - (3) English 201 (Strategies for Academic Writing), **or**
 - (4) **ESL 118 (Advanced College Writing in English as a Second Language), **or**
- UW System English placement test score(s):
- (5) an ENGL score of at least 605, **or**
 - (6) an ECS score of at least 706, **or**
 - (7) a UWEPT score of at least 660 **and** a UWRCT score of at least 730, **or**
- AP score:
- (8) a score of at least 4 on the AP English: Language & Composition exam, **or**
 - (9) a score of at least 4 on the AP 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.

* **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.

** Non-native English speakers must take the UW-Madison English as a Second Language Assessment Test (ESLAT). Transfer credit for English 102 or 112, or ESL 118, will be awarded only if the student demonstrates the required level of English proficiency on the UW-Madison ESLAT.