

Pharm.D. Pre-Requisite Course Requirements*

DESIGNATED COURSES AT UW-MILWAUKEE

Rev. 6/1/09

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)
Calculus:	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/pharmd/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])
Microbiology:	Biological Sciences 101 (General Survey of Microbiology) OR Biological Sciences 383 (General Microbiology) (beginning Fall 2011)
Communication:	<i>May be fulfilled by any one of these nine means:</i> 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
Economics:	Economics 103 (Principles of Microeconomics)
Statistics:	Statistics- most 3 credit statistics courses will satisfy (beginning Fall 2011)
Social Science:	Sociology 101 (Introduction to Sociology) or Anthropology 102 (Introduction to Anthropology: Culture & Society) [<i>Anthropology 102 counts also as ethnic studies</i>]
Behavioral Science:	Psychology 101 (Introduction to Psychology) or 230 (Social Psychology: Psychological Perspectives)
Ethnic Studies: (Diversity Studies)	3 credits (<i>may count also as social science [above], or history or humanities [below], if the course qualifies as such</i>)
Additional course work:	A total of at least 62 transfer credits by the time of enrollment in the School of Pharmacy. (68 transfer credits for Fall 2011 admission)

* **Pre-Pharm.D. students** may wish to include in their preparatory course work, if there is time/space, some of the non-professional curriculum **graduation** requirements: **2 credits of any kind of history, 3 credits of humanities electives**, and sufficient free-choice electives. Non-professional curriculum **graduation** requirements that are not completed prior to enrollment in the School of Pharmacy must be completed prior to graduation of the Pharm.D. program.

Non-native English speakers must take the UW-Madison English as a Second Language Assessment Test (ESLAT). ESL 118 at UW-Milwaukee will fulfill the UW-Madison Communication "A" requirement **only if the student demonstrates the required level of English proficiency on the UW-Madison ESLAT.

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.

NOTE: Pharm.D. applicants must take the Pharmacy College Admission Test (PCAT). International students and U.S. permanent residents whose native language is not English and who are applying for admission to the Pharm.D. program must submit scores from the Test of English as a Foreign Language

(TOEFL). To be considered for admission, individuals must earn a score of at least 100 on the internet-based TOEFL (IBT).