

Pharm.D. Pre-Requisite Course Requirements - FOR UW-MADISON STUDENTS

Rev. 9/17/09

Biology:	Zoology 151-152 (Introductory Biology - Introductory Biology). <i>Human anatomy, human physiology, and microbiology do not count toward this requirement.</i>
Chemistry:	Chemistry 103-104 (General Chemistry - General Chemistry) or 109 (Advanced General Chemistry) or 115 (Chemical Principles I) AND 343-344-345 (Introductory Organic Chemistry - Introductory Organic Chemistry Lab - Intermediate Organic Chemistry)
Math:	Math 221 (Calculus & Analytic Geometry) or 171-217 (Calculus with Algebra and Trigonometry I & II), OR a minimum score of 4 on the AP Calculus AB exam OR a minimum score of 2 on the AP Calculus BC exam. <i>Math 211, Calculus, does NOT fulfill this math requirement.</i>
Physics:	Physics 103-104 (General Physics - General Physics) or 201-202 (General Physics - General Physics) or 207-208 (General Physics - General Physics)
Microbiology**	Microbiology 101 (General Microbiology) or 303 (Biology of Microorganisms) (beginning Fall 2011)
Communication:	<p>The UW-Madison Communication "A" requirement must be fulfilled.</p> <p>Communication "A": Communication Arts 100 (Introduction to Speech Composition) OR English 100 (Freshman Composition) OR any other UW-Madison course that meets the Communication "A" requirement, OR a UW System English placement test score of at least 605 on the ENGL test, OR a UW System English placement test score of at least 706 on the English Composite Score (ECS), OR UW System English placement test scores of at least 660 on the UWEPT and 730 on the UWRCT, OR a score of at least 4 on the AP English: Language & Composition exam, OR a score of at least 4 on the AP English: Literature & Composition exam.</p> <p>NOTE: A student who began his/her post-high school college education prior to summer 1996 and whose English background does not meet the above communication requirement may discuss his/her situation with a Pre-Pharmacy advisor.</p>
Microeconomics:	Economics 101 (Principles of Microeconomics)
Statistics**	Statistics 301 (Intro to Statistical Methods) preferred or Statistics 201 (Principles of Statistics) or 224 (Introductory Statistics for Engineers) or 324 (Introductory Applied Statistics for Engineers) or 371 (Introductory Applied Statistics for Life Sciences) or 541 (Intro to Biostatistics) (beginning Fall 2011)
Social Science:	Sociology 210 (Survey of Sociology) or Sociology 211 (The Sociological Enterprise), or Anthropology 100 (General Anthropology), or Anthropology 104 (Cultural Anthropology & Human Diversity) <i>Anthropology 104 also meets the ethnic studies requirement.</i>
Behavioral Science:	Psychology 202 (Introduction to Psychology) or 530 (Introductory Social Psychology)
Ethnic Studies: (Diversity Studies)	3 credits The list of approved UW-Madison ethnic studies courses can be found at: www.ls.wisc.edu/gened/counselists/ethniccourses.htm (An ethnic studies course may also count as communication or social science or history or humanities, if it qualifies as such).
Other College Courses:	To bring total degree credits to 62 credits To bring the total degree credits to 68 credits** (beginning Fall 2011)

**** These requirements will be in effect beginning with the entering class of 2011.**

In order to strengthen their applications for admission and demonstrate their preparedness for the rigorous demands of School of Pharmacy academic programs, applicants are encouraged to enroll in course loads of 14 - 16 credits per semester during pre-School of Pharmacy studies. (Exception: A course load of 12 - 14 credits is recommended for the first semester of collegiate study to help students achieve a good start in college).

There are additional liberal arts courses that are required for graduation (not for admission). These graduation requirements are: 2 credits of history and 3 credits of humanities. Students are encouraged to work ahead on these graduation requirements.

