

Pharm.D. Pre-Requisite Course Requirements*

DESIGNATED COURSES AT NORMANDEALE COMMUNITY COLLEGE (MN) **Rev. 6/01/09**

Biology:	Biology 1105-1106 (General Biology: Cells to Organisms - General Biology: Ecology and Evolution). A one-semester general biology survey course, and anatomy, physiology, and microbiology, do not count toward this requirement.
Chemistry:	Chemistry 1061-1062 (Principles of Chemistry 1-2) AND 2061-2062 (Organic Chemistry 1-2)
Calculus:	Math 1510 (Calculus 1), but see the <u>Important Information About Calculus</u> link at http://www.pharmacy.wisc.edu/admissions/pharmd/calculus.cfm
Physics:	Physics 1110-1111 (College Physics 1-2) or 1121-1122 (Physics with Calculus 1-2) or 1201-1202 (Physics for Life Science Professionals 1-2)
Microbiology:	Biology 2204 (Microbiology) (beginning Fall 2011)
Communication:	English Composition 2000 (Advanced Writing), 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
Economics:	Economics 2201 (Principles of Microeconomics)
Statistics:	Statistics- most 3 credit statistics courses will satisfy (beginning Fall 2011)
Social Science:	Sociology 1104 (Introduction to Sociology) or Anthropology 1127 (Cultural Anthropology) [<i>Anthropology 1127 counts also as ethnic studies</i>]
Behavioral Science:	Psychology 1110 (General Psychology)
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.

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).