

Pharm.D. Pre-Requisite Course Requirements*

DESIGNATED COURSES AT MICHIGAN TECHNOLOGICAL UNIVERSITY Rev. 6/1/09

- Biology:** Biological Sciences 1010-1020 (General Biology I-II). **A one-semester general biology survey course, and anatomy, physiology, and microbiology, do not count toward this requirement.**
- Chemistry:** Chemistry 1110-1111 and 1120 (University Chemistry I - University Chemistry Lab I, and University Chemistry II) **AND** 2410-2411 and 2420-2421 (Organic Chemistry I - Organic Chemistry Lab I, and Organic Chemistry II - Organic Chemistry Lab II)
- Calculus:** Mathematical Sciences 1135 (Calculus for Life Sciences) or 1140 (Technical Calculus I) or 1160 (Calculus with Technology I) or 1161 (Calculus Plus with Technology I), **but see the Important Information About Calculus link at <http://www.pharmacy.wisc.edu/admissions/pharmd/calculus.cfm>**
- Physics:** Any **one** of the following four sequences:
- (1) Physics 1110-1111 and 1210-1200 (College Physics I - College Physics I Lab, and College Physics II - Physics by Inquiry II)
 - (2) Physics 1140-1141 and 1240-1200 (Applied College Physics I - Applied College Physics I Lab, and Applied College Physics II - Physics by Inquiry II)
 - (3) Physics 1160-1161 and 1360-1361 and 2260-2261 (Honors Physics I--Mechanics - Introduction to Experimental Physics I, and Honors Physics II--Rotation & Vibration - Introduction to Experimental Physics II, and Honors Physics III--Electricity & Magnetism - Introduction to Experimental Physics III)
 - (4) Physics 2100-1100 and 2200-1200 and 2300 (University Physics I--Mechanics - Physics by Inquiry I, and University Physics II--Electricity & Magnetism - Physics by Inquiry II, and University Physics III--Fluids & Thermodynamics)
- Microbiology:** Biology 3210 (General Microbiology) **(beginning Fall 2011)**
- Communication:** University Wide 2001 (Revisions: Oral, Written, and Visual Communication)
- Economics:** Economics 2001 (Principles of Economics)
- Statistics:** Statistics- most 3 credit statistics courses will satisfy **(beginning Fall 2011)**
- Social Science:** Social Sciences 2700 (Introduction to Sociology)
- Behavioral Science:** Psychology 2000 (Principles of Psychology)
- Ethnic Studies:
(Diversity Studies)** 3 semester credits (*may* count also as history or humanities [below], if the course qualifies as such)
- 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).