

***UM –Flint Courses Required for Entry to UM Ann Arbor Pharmacy  
College (for Fall 2010 admission)***

Subject	Semesters	UM –Flint Equivalent	Course Prerequisites
Biology (with lab)	1	Bio 111, Bio 113	
Chemistry			
Inorganic (& lab)	2	CHM 260, 261, 262, 263	
Organic (with lab)	2	CHM 330, 331, 332, 333	Inorganic Chemistry
Biochemistry	1	CHM 350 (or could take 450 and 452)	Organic Chemistry
English Composition	1	ENG 111	
Physics (with lab)	2	PHY 143, 145 or PHY 243, 245	
Calculus	1	MTH 121	MTH 111, 120 or exam
Humanities or Foreign Language	2	Varies (PHL 101, 202; SPN 111, 112)	
Social Science	2	PSY 100, SOC 100 (other courses apply)	
Human Anatomy	2	BIO 167, 168	BIO 111, 113
Medical Microbiology	1	BIO 435	BIO 111, 113, 326*
Genetics	1	BIO 328	Bio 111, 113; CHM 140 or CHM 160
Biostatistics	1	Bio 301	Algebra, 8 credits of Bio

- Although it is not listed as a requirement for admission, BIO 326 is a prerequisite course to upper level BIO courses and will need to be taken. This course is only offered in the Spring and Fall semester. Bio 435 is only offered in the Fall. Bio 328 is only offered in the Summer and Winter. CHM 350 is offered in the Winter. Biostats is offered in the Fall and Winter.
- Work experience in a health-care setting is required. Those strongest in gaining admission in addition to a number of other conditions have 2-4 years of experience. Most students have experience as a pharm tech, but other experiences are acceptable. They are specifically looking for experience where you interact with patients. This must be completed by July 31 of the desired year of enrollment.
- The PCAT exam is required with scores in the 70% or higher. Students must take the PCAT by the October date prior to applying.
- Ann Arbor will begin to use the PharmCAS system for admissions. Therefore the admission deadline will be in the beginning of December.
- It is highly recommended that a student not be concerned with finishing pre-pharm in 2-years, but should take their time and fulfill requirements, taking 14-16 credits per semester, while maintaining a high GPA. In certain circumstances, it

may even be in a student's best interest to obtain a B.S. degree in chemistry before applying to pharmacy school.

- According to Asst. Dean Valener Perry 70% of all students admitted to UM pharmacy school enter with a B.S. degree, and 90% have 3+ years of college experience from 4-year institutions. Bottom line: Take your time!! The more classes you take, the more competitive you will be!
- There are also students enter UM with B.A. degrees, and an applicant is not viewed more positively/ negatively based on their choice of major for their bachelor's degree. Those with science degrees obviously have taken more science classes to be taken into account, but any one who has meet the requirements can apply regardless of their major.
- There are 65 slots (and 350 applicants for the 2004 school year) with GPA range from 3.4-4.0 (2003).
- Two letters of recommendation (one from an employer) are required.
- Students maintaining a B+ average and taking between 14-16 credit hours in the average semester are seen as more competitive than students that are part time, or take 12-13 credits per semester. This is because the pharmacy college curriculum is 16 credits per semester. Classes with grades of a C- or below will not be accepted.
- Evidence of leadership, critical thinking, and communication skills/ extracurricular activities/ community service are also recommended. A well rounded student is a competitive student!
- If you plan to apply to the Ann Arbor pharmacy school in the next year, you should contact Asst. Dean Valener Perry to discuss your competitiveness for the program. Be prepared to present her with a variety of academic and extra-curricular activities. Her email is [vlperry@umich.edu](mailto:vlperry@umich.edu).

**Additional information from the College of Pharmacy website  
(<http://www.umich.edu/~pharmacy/>):**

At least one year must be completed in the U.S. or Canada. Applicants must have at least some relevant health care/patient experience. Those with no previous work in a pharmacy college are considered for admission to the first year of the Pharm.D. program.

Admission to the Pharm.D. program is based on evidence submitted by the applicant attesting to his/her ability to successfully complete the program requirements. The evidence must include: 1.) copies of academic records from all

institutions of higher education attended; 2.) the applicant's personal statement describing career objectives and reasons for applying to the Pharm.D. program; and 3.) two letters of recommendation, one of which should be from an employer. Other acceptable letter of recommendation sources include recent faculty, or a graduate student instructor.

Applicants whose native language is not English must demonstrate proficiency in speaking and writing English with an acceptable score on the Michigan English Language Assessment Battery (MELAB), including the oral interview, or the Test of English as a Foreign Language (TOEFL), including the TOEFL Test of Spoken English. Minimum scores of 85 on the MELAB or 253 on the computerized TOEFL are necessary. Applicants whose native language is not English and who have attended schools and/or college in the U.S. are not exempt from this requirement.

Applicants also must show evidence that there is a reasonable expectation they will complete all pre-pharmacy requirements before enrolling in the Pharm.D. program. (See Pre-Pharmacy Curriculum, for details.) Applicants may be admitted while they are completing these requirements, however, enrollment in the program is contingent on successfully completing these requirements. Failure to do so will result in revocation of admission.

Applicants may apply as early as the fall term of their second year of college. However, the Admissions Committee will not make an admission decision until grades are received confirming completion of at least three terms of college work, including at least one organic chemistry course.

If the College of Pharmacy Admissions Committee decides it needs additional information to assess an applicant's qualifications, it may require the applicant to appear for a personal interview. If selected for admission to the Pharm.D. program, the student must be willing to: 1.) Provide record of required immunizations and tests, including inoculation against hepatitis B; 2.) Have reliable transportation available by the beginning of the third (P3) year to facilitate travel to off-campus experiential training sites; and 3.) Obtain and maintain a valid Michigan pharmacy intern educational/training limited license (whether or not the student plans to practice pharmacy in Michigan ultimately).

Expenses associated with these items (e.g., vaccination and testing costs, license fees, gasoline, parking fees) are the student's responsibility.