

# Career Advising Guide

## PHARMACY AT UNIVERSITY AT BUFFALO



**Pharmacists** prepare and dispense drugs. They understand chemicals and their properties, drug compounds and their use. Pharmacists advise health care providers, such as physicians and dentists, on the selection, dosages, interactions, and side effects of medications on patients. Many pharmacists practice in a community setting, such as retail or chain store pharmacies, or in a health care facility, such as a hospital, nursing home, mental health institution, or other public health care centers. Others work in the pharmaceutical industry, academia, and government regulatory agencies.

**Why UB?** The School of Pharmacy and Pharmaceutical Sciences at the University at Buffalo (UB SoPPS, <http://pharmacy.buffalo.edu>) is a national leader in education and research in both Pharmacy Practice and the Pharmaceutical Sciences and is consistently ranked among the top pharmacy schools in the U.S. We have the second most productive research program in the nation with two Distinguished Teaching Professors and five faculty members who are recipients of the Chancellor's Awards for Excellence. The School of Pharmacy and Pharmaceutical Sciences at UB offers you the “best of both worlds” – you will live and learn among a close-knit community of students and faculty with the resources and facilities of a large research university at your fingertips. Through a variety of professional development, social organizations and an innovative curriculum, you and your classmates will learn from each other and from faculty who are renowned in their respective fields. Also, UB SoPPS is one of few schools who offer combined degree programs, including a Pharm.D./M.B.A., Pharm.D./M.P.H., Pharm.D./J.D., and a Pharm.D./Ph.D.

**Prerequisite Courses for University at Buffalo’s School of Pharmacy:**

ENG 101- English Composition*	MTH 160 - Statistics I*	PHY 145 - College Physics I
ENG 200 - Advanced Composition*	MTH 210 - Calculus I	PHY 146 - College Physics II
PSY 101 - Intro to Psychology (suggested)*	MTH 211 - Calculus II*	or
or	BIO 155 - General Biology I	PHY 154 - General Physics I
SOC 101 - Intro to Sociology*	BIO 156 - General Biology II	PHY 155 - General Physics II*
ECO 111 - Microeconomics (suggested)*	CHE 151 – General College Chemistry I	or
or	CHE 152 – General College Chemistry II	PHY 161 - University Physics I
ECO 112 - Macroeconomics*	CHE 251 - Organic Chemistry I	PHY 261 - University Physics II*
	CHE 252 - Organic Chemistry II	

\* Courses are waived for applicants entering with a Bachelor’s degree. Please note that this policy will be eliminated beginning with consideration for Fall 2011 entrance. Please also note that there will be some prerequisite changes effective with Fall 2011 entrance. See [http://www.pharmacy.buffalo.edu/materials/PharmD/PharmD\\_Pre-Pharmacy\\_PharmCAS.pdf](http://www.pharmacy.buffalo.edu/materials/PharmD/PharmD_Pre-Pharmacy_PharmCAS.pdf) for details.

**SUNY General Education Curriculum:**

For electives, choose from MCC’s Approved List of SUNY General Education Requirements.

**Degree:**

A license to practice pharmacy is required in all States, the District of Columbia, and U.S. territories. Pharmacy programs grant the doctor of pharmacy (Pharm.D.), which requires at least two years of undergraduate coursework followed by four years of professional study.

**Admission:**

TO BE CONSIDERED FOR the doctor of pharmacy (Pharm.D.) program at the University of New York at Buffalo, students must:

1. Complete all courses required in the pre-pharmacy sequence outlined above.
2. Attain at least a 3.00 cumulative grade point average in all required pre-pharmacy science and mathematics courses.  
 It should be noted that most students accepted to the program have performed at a much higher level.
3. Earn a grade equal to or greater than C- in all prerequisite courses.
4. Complete all prerequisite courses within 5 years preceding admission. For more information about this policy, please visit: [http://pharmacy.buffalo.edu/admissions\\_pharmd\\_reg.shtml](http://pharmacy.buffalo.edu/admissions_pharmd_reg.shtml).
5. Apply to the Pharm.D program via PharmCAS (Pharmacy College Application Service). Visit [www.pharmcas.org](http://www.pharmcas.org) for details. **UB’s application deadline is February 1.** The SUNY application is not required for U.S. Citizens. See Back Page
6. Attain at least a 300 percentile score on the Pharmacy College Admission Test (PCAT). This score is computed by combining the percentile scores in the test areas of verbal ability, reading comprehension, biology, chemistry and quantitative ability. Do not add in the composite score. An acceptable score on the writing section will also be required.

**PCAT Scores must be sent to PharmCAS , using the school code for PharmCAS , # 104.**

7. Have a minimum of two letters of recommendation (maximum of three) submitted directly to PharmCAS. Instructions for submission of letters can be found on the [PharmCAS](#) website. **Do not send your letters directly to the UB School of Pharmacy and Pharmaceutical Sciences.**

1. Submit the [Supplemental Application and Supplemental Application fee](#):
  - a. [www.pharmacy.buffalo.edu/materials/PharmD/Supplemental\\_Application.pdf](http://www.pharmacy.buffalo.edu/materials/PharmD/Supplemental_Application.pdf)
  - b. [www.pharm.buffalo.edu/saf](http://www.pharm.buffalo.edu/saf)

**Completion of these criteria does not guarantee acceptance into the Pharm. D. program.**

**Admission is competitive.**

**Additional Criteria of Importance for Acceptance:**

Selection is based on scholastic achievement, aptitude, personal qualifications, and evidence of motivation toward pharmacy. These are judged from the college record, grade point average, the PCAT, letters of reference and evaluation, a supplemental application, and a personal interview. In addition to intellectual and academic competence, the School's Admissions Committee considers communication skills, leadership ability, community service, health care-related or research experience, and motivation for pursuing a career in pharmacy.

All students are expected to have computer skills, specifically proficiency in personal computer operating systems, word processing, and use of e-mail. Also expected are abilities to access menu-driven programs, online databases, and resources on various computer networks and on the Internet and World Wide Web and the ability to produce professional documents utilizing data that has been accessed and manipulated from a wide range of resources.

**Notes:**

- Review the [Pharmacy Admission Website: www.pharmacy.buffalo.edu/admissions\\_pharmd.shtml](#)
- Learn more about the profile of recently accepted students:  
[www.pharmacy.buffalo.edu/admissions\\_pharmd\\_sbp.shtml](http://www.pharmacy.buffalo.edu/admissions_pharmd_sbp.shtml)

**Pharmaceutical Sciences**

**At UB, cutting-edge research is being carried on many fronts**, in drug delivery, protein formulation, drug metabolism, pharmacokinetics, pharmacodynamics, and pharmacogenomics. These research studies are aimed at improving therapy for many diseases, such as cancer, transplantation rejection, multiple sclerosis, auto-immune diseases, and cardiovascular diseases. Our students are exposed to contemporary research techniques and practices. Graduates are highly recruited by national laboratories, in academia, industry and government. Our department's long standing tradition of excellence in education and research continues to receive nationally and internationally acclaim and recognition. The Department offers a range of academic programs:

- **BS:** This program provides basic training in the pharmaceutical sciences, and can be normally completed within a 4-year university curriculum.
- **Combined BS/MS:** This accelerated program allows qualified students already enrolled for the BS degree in our program to complete a combined degree within a 5-year university curriculum.
- **MS:** This post-graduate program normally involves two years of additional training beyond the B.S. degree, including more intensive research training. The department also offers a unique M.S. program with a Pharmacometrics Focus which can be completed within one year, for students with appropriate qualifications.
- **PhD:** This program provides extensive and cutting-edge research training in the pharmaceutical sciences. Graduates of this program are highly sought after by research pharmaceutical companies, academia, research institutes, and regulatory agencies (e.g., FDA).

Please contact the UB SoPPS Office of Advisement and Recruitment at [pharm-admin@buffalo.edu](mailto:pharm-admin@buffalo.edu) or (716) 645-2825 (option #1) if you have any questions.

**Please note:** while every effort is made to ensure that the information in this guide is accurate, students are advised to meet with a counselor in the MCC Career Center and to contact transfer institutions for specific course requirements and the most up-to-date information.