

PHARMACY (PHARM.D.)

DOCTORAL PROGRAM

The School of Pharmacy will prepare students to practice in an inter-professional patient-centered environment where pharmacists are responsible for assisting patients in managing their medication regimens. Graduates of the program will be taught to communicate effectively with patients and other health care practitioners, to solve problems related to drug therapy regimens, and to develop and evaluate programs to improve the health of the communities they serve.

The School of Pharmacy's mission emphasizes leadership and service to the community. Students practice leadership skills while working collaboratively with their colleagues and the faculty on problem sets, case analyses, and class and service projects. Through class exercises and practice experiences the new pharmacy program will teach students to care for patients and communities.

The curriculum involves 42 credit hours of Advanced Practice Pharmacy Experience (APPE) beyond the three professional years of didactic coursework. The APPE comprises seven six-week (six credit hour) rotations including a Health and Wellness Project, two elective rotations, an ambulatory care rotation, and advanced institutional pharmacy practice, an advanced community pharmacy practice, and an advanced hospital pharmacy practice.

SCHOOL OF PHARMACY MISSION STATEMENT

The D'Youville College School of Pharmacy is mission driven: It is dedicated to creating a continuously improving teaching and learning community for faculty, staff, and students and committed to educating tomorrow's pharmacy practitioner to work collaboratively to identify, manage, and resolve problems related to drug therapy. The School of Pharmacy is committed to the exploration and validation of ideas through research, critical inquiry, and scholarly activity. We believe that tomorrow's pharmacists must be committed to a lifetime of learning and service to their profession and communities, and to that end, we will strive to select a diverse group of students, faculty, and administrators who possess the intellectual ability and core values that contribute to our mission.

VALUES AND GOALS

Our core values reflect our mission. We will create a teaching and learning culture which values:

- Excellence - We will strive to meet and exceed, through continuous improvement, the highest expectations for teaching, research, and practice.
- Lifelong Learning - We will encourage and support student-centered learning that prepares students with the requisite knowledge, skills, and attitudes for the provision of patient centered care throughout their academic and professional careers.
- Cultural Diversity - We will strive to recognize and honor diverse values and beliefs, both spiritual and secular, in the delivery of culturally responsive care.

- Professionalism - We will encourage caring and respect for others, accountability to our stakeholders, responsibility for one's actions, and integrity and honesty. We will promote a practice model where decisions are made in accordance with legal, ethical, social, economic, and professional guidelines.
- Leadership - We will provide opportunities for students, staff, faculty, and other stakeholders to develop the attributes of leadership: personal accountability, valuing others, integrity, and self-awareness. We aspire to develop leaders who have the capacity to influence the thinking, understanding, and attitudes of others, and the ability and courage to identify and affect solutions.
- Social Responsibility - We will seek to develop a commitment to social responsibility among students, faculty, staff, and other stakeholders by contributing to the health and well-being of patients, the community, and at-risk populations through volunteerism and service.
- Critical Inquiry - We will endeavor to create a learning community that employs both quantitative and qualitative analysis to describe and solve problems; that interprets, evaluates, and uses information discerningly from a variety of perspectives; that tolerates ambiguity while understanding the complexity of many problems, issues, and topics; that transforms the results of inquiry into judgments and actions; and that critiques conclusions, taking into account alternative points of view, and understanding the implications of various courses of action.
- Collaboration - We will foster a spirit of teamwork and partnership that is founded on effective communication skills and respect for the contributions of others; we seek to create interdisciplinary, synergistic relationships characterized by inclusiveness and flexibility.

NEW YORK STATE DEPARTMENT OF EDUCATION (NYSED)

The D'Youville College School of Pharmacy is registered for professional purposes under Subchapter A of the Regulations of the Commissioner of Education (Chapter II of Title 8 of the Official Compilation of Codes, Rules and Regulations of the state of New York); enabling all eligible doctor of pharmacy students to receive financial aid.

ACCREDITATION COUNCIL FOR PHARMACY EDUCATION (ACPE)

The D'Youville College School of Pharmacy was awarded candidate status from the Accreditation Council for Pharmacy Education (ACPE) at its June 22-24, 2011 board of directors meeting. Graduates of a class designated as having candidate status have the same rights and privileges of those graduates from a fully accredited program, generally including eligibility for licensure. For further information, contact:

ACPE • 20 North Clark Street, Suite 2500
• Chicago, IL 60602-5109; 312.664.3575;
FAX 312.664.4652;
www.acpe-accredit.org.

APPLICATION REQUIREMENTS

The School of Pharmacy participates in PharmCAS, the Pharmacy College Admission Service. Prospective applicants should complete the PharmCAS application by submitting the following information to PharmCAS:

1. Results of the Pharmacy College Admissions Test (PCAT, code 104)
2. Official transcripts from ALL colleges previously attended
3. Three letters of reference from academic professors, employers or supervisors, and faculty or health care advisors.
4. Non-US citizens, who have attended a foreign institute for their college coursework, must also take the TOEFL and TSE and have the results reported to PharmCAS
5. All foreign transcripts must be verified through World Transcript Services (WES), Educational Credential Evaluators (ECE), or Josef Silny & Associates
6. In addition to the PharmCAS application, all candidates are required to meet the following criteria:

- a) Students admitted into the professional program are required to complete a minimum of 65 credit hours that include the following:

COURSE	CREDIT HOURS	DYC COURSE NUMBER
Biology I with Lab	4	BIO101/101L
Biology II with Lab	4	BIO102/102L
Microbiology with Lab or Anatomy and Physiology with Lab	4	BIO208/208L
General Chemistry I with Lab	4	CHE101/101L
General Chemistry II with Lab	4	CHE102/102L
Organic Chemistry I with Lab	4	CHE219/219L
Organic Chemistry II with Lab	4	CHE202/202L
Physics I	4	PHY111
Physics II	4	PHY112
Calculus I	4	MAT125
Applied Statistics	3-4	MAT123
English Composition I	3	ENG111
English Composition II	3	ENG112
Public Speaking	3	SPE201
History	3	HIS203 or HIS204 or HIS111
Economics	3	ECO201 or ECO202
Social Sciences	3	PSY101 or SOC101
Humanities	3	PHI101 or PHI214 or PHI312

- b) The completion of all required science courses (biology, microbiology, anatomy and physiology, general chemistry, and organic chemistry) require a laboratory component.
- c) If general biology is not offered at your school, you may take botany or zoology and cell biology to satisfy the general biology requirement.
- d) All pre-professional science courses must be obtained from an accredited institution for a letter grade; Pass/Fail, online, distance learning, CLEP and advanced placement courses are not accepted.
- e) All prerequisite coursework must be completed with a grade of "C" (2.0/4.0) or better.
- f) Science and math courses should be current, completed no more than five years prior to enrollment.
- g) All prerequisite math and science courses must be equivalent in scope and rigor to those required for math, chemistry and biology majors at D'Youville College.
- h) All students are expected to be proficient in the use of computer operating systems, software applications for word processing, statistical analysis, database management, presentations, e-mail, and the use of online databases.

7. Selected applicants will be invited to campus for an interview. The interview process employs a series of multiple mini-interviews to assess non-cognitive skills important to rendering patient-centered care. The School of Pharmacy's core values (excellence, lifelong learning, cultural diversity, professionalism, leadership, social responsibility, critical inquiry and collaboration) are the domains evaluated by the mini-interviews

POLICIES FOR PROMOTION AND RETENTION OF ALL STUDENTS

A. Sequence for Completing Program Requirements

- In addition to the successful completion of coursework, including IPPEs and APPEs, all students must pass the New York state licensure examination before being allowed to practice in New York. This examination consists of the NAPLEX and two additional parts on law and laboratory skills. This program will be designed consistent with New York state licensure requirements and the professional standards and guidelines established by the ACPE.

B. Academic Standing - Each student is expected to maintain a cumulative quality point average (Q.P.A.) of 2.0 on a 4.0 scale. A student whose Q.P.A. falls below 2.0 at any time will be placed on academic probation for one semester. The academic performance committee will review the student's file at the end of the probation semester, and if the student's Q.P.A. exceeds 2.0, the student will be removed from probation. If a student does not achieve the 2.0 Q.P.A., the academic performance committee may either dismiss the student or extend the student's probationary period for one more semester. The committee may compel students to perform certain activities aimed at aiding their academic standing such as developing a career plan and seeking tutorial assistance through the Learning Center. Students may not accumulate more than two semesters of probation during the entire graduate program. If, after two terms of probation, the student's G.P.A. is still below 2.0, then the academic performance committee may recommend dismissal from the program.

C. Grades Below C - students who receive a grade lower than a C- or who fails an S/U course must repeat the course unless he or she has been dismissed. A course may be repeated one time only. In each case, the original grade will be replaced by the second grade earned, whether higher or lower. The maximum grade that can be earned for the repeated course is C. Students who receive grades of C- or lower twice for the same course may be dismissed from the program. Due to course prerequisites a student may not be able to advance in the program until a course has been satisfactorily repeated. In most cases, remediation will be offered during preceding summer sessions. Students who receive a grade of U in either Introductory or Advanced Pharmacy Practice Experiences must remediate that experience at the times and discretion of the director of experiential education and the practice site. Students who remediate two or more practice experiences may be dismissed from the program. A student may only repeat two courses (including didactic and Introductory or Advanced Pharmacy Practice Experiences) in any given semester and a total of four during their academic career in the School of Pharmacy.

D. Incomplete Grades - Incomplete (I) grades are issued when the instructor is not prepared to give a final mark for the semester, either because of student illness or a justifiable delay in the completion of course requirements. Incomplete grades are not issued to students whose performance prior to illness was deficient or who were unable to keep up with the course requirements. A failing grade (F) will be issued if the work is not completed before the end of the eighth week of the semester following an incomplete grade. With approval from the cooperating faculty member and the assistant dean of faculty and student affairs, one eight week extension may be granted. In order to complete the requirements for all IPPE and APPE rotations, students must submit assessment forms. Those who fail to submit assessment forms will receive an incomplete grade and their progress to the next rotation may be delayed until the documentation is submitted. If a student fails to pass his or her

assigned rotations in the experiential program, the student's performance will be evaluated by the director of experiential education. A student who is currently taking coursework, is carrying an incomplete grade from any previous doctoral coursework, and who has a grade of C- or below submitted to replace any incomplete grade, will be placed on academic probation for the current semester of enrollment.

E. Course Withdrawal - A student may withdraw from a course(s) only after permission has been obtained from the course instructor or coordinator and a withdrawal request is processed through the office of the dean in accordance with the time period specified by D'Youville College. A withdrawal may only be granted if the student has a passing grade, and is requesting it for non-academic reasons. Withdrawal from a course(s) will not be approved solely on the basis of poor performance in the course(s), nor may a student continue to attend classes once a withdrawal has been granted.

F. Academic Resignation - A student may resign from the program at any time prior to two weeks before the beginning of the final examinations for the term. Students who wish to resign must officially communicate this in writing to the assistant dean of faculty and student affairs. Resignation constitutes withdrawal from all courses being taken. A student who has resigned from the program must petition the admission committee for readmission.

G. Leave of Absence - A student who wishes to interrupt his/her studies through a leave of absence may do so only up to four individual or consecutive semesters. In order to obtain permission for a leave of absence, students must complete a request form and submit the form to the assistant dean of faculty and student affairs. Ordinarily, a student may not request a leave of absence after the twelfth week of the semester. Special consideration is given for illness or other extenuating circumstances. In the event that a student does not return at the time stipulated, the leave automatically becomes a withdrawal. The student must then apply for readmission in order to return to the School of Pharmacy.

- H. **Appeal Process** - A student may appeal the academic performance committee's dismissal decision by writing a letter to the assistant dean of faculty and student affairs describing any extenuating circumstances that limited academic performance. If the appeal is accepted by the committee, the student may be reinstated but must satisfy all of the conditions outlined in the decision. If the student's appeal is denied, the student may appeal that decision within ten days to the dean of the School of Pharmacy.
- I. **Regulations for Readmitted Students** - A readmitted student must maintain a cumulative QPA of 2.0 or greater and make satisfactory scholastic progress for all remaining terms in order to continue in the program. A readmitted student will be evaluated at the end of each semester and failure to meet requirements for continuing in the program will result in permanent dismissal.

TRANSFERRING CREDITS

Due to the highly integrated nature of the didactic and experiential components of the curriculum, the School of Pharmacy will consider requests for transfer of credits only on an individual basis. Credits accepted for transfer must have been awarded from an ACPE accredited school of pharmacy. Only credits recorded on an official transcript of the issuing institution will be considered for transfer. Credits accepted for transfer must be determined to be substantially equivalent to courses offered by the D'Youville College School of Pharmacy in their content and quality. Students must submit a letter from their previous school of pharmacy attesting to their "good standing" at that institution. Credits accepted for transfer must have been awarded within three years of the date of admission. The School of Pharmacy may, at its option, accept older credits if the entering student holds an earned doctorate in the pharmaceutical sciences.

SEQUENCE FOR COMPLETING PROGRAM REQUIREMENTS

In addition to the successful completion of coursework, including IPPEs and APPEs, all students must pass the New York state licensure examination before being allowed to practice in New York. This examination consists of the NAPLEX and two additional parts on law and laboratory skills. This program will be designed consistent with New York state licensure requirements and the professional standards and guidelines established by the ACPE.

DISCLAIMER

Due to the continuing development of policies and curriculum for the School of Pharmacy at the printing of this catalog; the School of Pharmacy reserves the right to change and enforce said policies and curriculum post publication of this catalog. Students should contact the assistant dean of faculty and student affairs for the most up to date information concerning the program and its policies.

FIRST PROFESSIONAL YEAR: Fall Semester		CREDITS
PMD 601	Biochemical Principles I	3
PMD 603	Anatomy/ Physiology/Pathophysiology I	4
PMD 605	Principles of Drug Action I	4
PMD 607	Profession of Pharmacy and Health Care Systems	2
PMD 609	Professional Inquiry	1
PMD 611	Collaborative Learning Practicum I	1
PMD 613	Anatomy/Physiology/Pathophysiology Practicum I	1
PMD 615	IPPE I A or B	2
TOTAL		18
Spring Semester		
PMD 602	Biochemical Principles II	3
PMD 604	Anatomy/Physiology/Pathophysiology II	4
PMD 606	Principles of Drug Action II	5
PMD 610	Health Communications, Diversity and Bioethics	2
PMD 612	Collaborative Learning Practicum II	1
PMD 614	Anatomy/Physiology/Pathophysiology Practicum II	1
PMD 616	IPPE I A or B	2
TOTAL		18
SECOND PROFESSIONAL YEAR: Fall Semester		
PMD 701	Principles of Drug Action III	2
PMD 703	Pharmacotherapeutics I: Renal and Urologic Disorders and Fluids and Electrolytes	4
PMD 705	Pharmacotherapeutics II: Cardiopulmonary Disorders	4
PMD 707	Self Care	3
PMD 709	Integrated Compounding and Practice	3
PMD 711	Collaborative Learning Practicum III	1
PMD 715	2 of IPPE IIA-D	2
TOTAL		19
Spring Semester		
PMD 702	Medical Microbiology and Immunology	3
PMD 704	Pharmacotherapeutics III: Neurologic, Psychiatric, Sensory Disorders and Anesthesia	4
PMD 706	Pharmacotherapeutics IV: Endocrinology, Bone and Joint Disorders	4
PMD 708	Biostatistics and Literature Evaluation	2
PMD 710	Pharmacy Management	2
PMD 712	Collaborative Learning Practicum IV	2
PMD 716	2 of IPPE IIA-D	2
TOTAL		19

THIRD PROFESSIONAL YEAR: Fall Semester

PMD 8XX	Elective	3
PMD 803	Pharmacotherapeutics V: Infectious Diseases	4
PMD 805	Pharmacotherapeutics VI: Oncologic, Hematologic and Immunologic Disorders	4
PMD 809	Patient and Diagnostic Assessment	2
PMD 811	Collaborative Learning Practicum V	1
PMD 813	Seminar and Journal Club I	1
PMD 815	2 of IPPE IIIA-D	2
	TOTAL	17

Spring Semester

PMD 8XX	Elective	3
PMD 802	U.S. and N.Y.S. Pharmacy Law	2
PMD 804	Pharmacotherapeutics VII - Neurologic, Psychiatric and Sensory Disorders and Anesthetics	4
PMD 808	Substance Abuse & Toxicology	2
PMD 810	Population Based Health Care	2
PMD 812	Collaborative Learning Practicum VI	1
PMD 814	Seminar and Journal Club II	1
PMD 816	2 of IPPE IIIA-D	2
	TOTAL	17

FOURTH PROFESSIONAL YEAR: Summer, Fall, and Spring Semesters

PMD 902	Advanced pharmacy practice experience – 7 six-week rotating, six credits each.	
PMD 906	Health and Wellness Project	
PMD 908	Ambulatory Care Rotation	
PMD 910	Advanced Institutional Pharmacy Practice	
PMD 912	Advanced Community Pharmacy Practice	
PMD 914	Advanced Hospital Pharmacy Practice Elective Rotations(2)*	
	TOTAL	42

**Electives include, but are not limited to, Long Term Care, Nuclear, Home Infusion, Geriatrics, Pediatrics, Managed Care, Oncology, and Psychiatry.