

PHARMACY, DOCTOR OF (PHARM.D.)/PHARMACEUTICAL SCIENCES, MASTER OF SCIENCE (M.S.) [DUAL DEGREE]

The School of Pharmacy offers a Pharm.D./Master of Science (M.S.) in Pharmaceutical Sciences as a graduate/professional degree program that teaches individuals to analyze and solve problems of interest to pharmacists. Students develop a broad range of skills by taking classes and working closely with faculty. Since the degree is offered concurrently with the professional pharmacy degree, certain efficiencies can be realized that permit students to graduate sooner than might be expected; although, this degree may require up to two years of study beyond the Pharm.D. program depending on the student's educational background and chosen area of study. Students will take the required Pharm.D. curriculum, with selected substitutions of required courses with graduate-level courses, in addition to the graduate curriculum.

In their first two years (P-1 and P-2), the Pharm.D./M.S. students will complete the required Pharm.D. curriculum while attending research seminars and possibly pursuing graduate courses as electives. After admission into the graduate program, students will take required graduate courses in lieu of Pharm.D. courses during the P-3 (G-1) year followed by graduate research during the summer. During the G-2 through G-4 years, students will complete the graduate course requirements and the required Pharm.D. clerkships and work on their graduate research projects. Stipends and tuition may be provided for students serving as graduate teaching or research assistants. During that period, the student will follow procedures prescribed for students in the pharmaceutical sciences.

Students can focus on the following research areas within the School of Pharmacy: pharmacotherapy, pharmacokinetics, biopharmaceutical analysis, pharmaceuticals/physical pharmacy, pharmacy administration and medicinal chemistry. Also, students may focus on the following research areas within the School of Medicine: pharmacology and toxicology. The choice of research area determines the required graduate course work.

The Pharm.D./M.S. program in the School of Pharmacy is a full-time program of professional education that offers an opportunity for advanced study in pharmaceutical sciences. The program recognizes the need for pharmacy practitioners with excellent research skills in clinical, academic, industrial and regulatory environments. The program is designed to take advantage of efficiencies in both the Pharm.D. and the M.S. programs and allows students to complete the program requirements of both programs after five or six years. Both degrees are awarded at the same graduation ceremony.

Apply online at graduate.admissions.vcu.edu (<http://www.graduate.admissions.vcu.edu>).

Application to the Pharm.D./M.S. program

Students may be admitted into the program before or during their first two years of enrollment in the Pharm.D. program. Applicants must demonstrate a good academic record, experience in research (e.g., during summer research fellowships with the school's graduate faculty) and

successful completion of the Graduate Record Examination. Additionally, each applicant must be sponsored by a graduate faculty member.

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