

PHARMACEUTICAL SCIENCES: APPLIED DRUG DEVELOPMENT, MS

This is a named option in the Pharmaceutical Sciences MS (<http://guide.wisc.edu/graduate/pharmacy-school-wide/pharmaceutical-sciences-ms/>).

Are you a STEM major who is interested in a career in the biopharmaceutical industry? The Division of Pharmaceutical Sciences (<https://pharmacy.wisc.edu/psd/>) at the School of Pharmacy offers the Master of Science (MS) in Pharmaceutical Sciences degree named option "Applied Drug Development." The program provides a rigorous background in a range of disciplines that are critical to the success of the next generation of pharmaceutical scientists. The program's applied training, completed either at an accelerated one-year pace or at a slower two- to three-year pace, combines relevant aspects of drug development with hands-on projects and applied field work.

Science: The pharmaceutical sciences are emphasized in courses that cover literature comprehension, biostatistics, pharmacokinetics and pharmacodynamics, pharmacology and instrumentation methods.

Pharmaceutical Industry: Industry-specific content is covered in courses that describe regulatory practice, the drug development process, working in a regulated environment (GxP), and pharmaceutical economics and management.

Project-Based Internship: This four-credit course provides the opportunity for students to utilize all the components of the program as they work in a relevant internship position or complete a program-related project at their current place of employment (if already working in the pharmaceutical industry).

This degree was crafted with extensive input from the biopharmaceutical industry. The faculty are a mix of experts from industry and academia. This program may be completed in one calendar year (September–August) or at a slower pace.