PHARMACEUTICAL SCIENCES: APPLIED DRUG DEVELOPMENT, M.S.

This is a named option in the Pharmaceutical Sciences M.S. ([http://guide.wisc.edu/graduate/pharmacy-school-wide/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/](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 accelerated one-year applied training combines relevant aspects of drug development with hands-on laboratories culminating with a capstone internship.

**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 4-credit course provides the opportunity for students to utilize all the components of the program as they work in a relevant internship position.

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.