UNIVERSITY of MARYLAND
SCHOOL OF PHARMACY

ONLINE - Master of Science in REGULATORY SCIENCE

what is REGULATORY SCIENCE?

According to the Food and Drug Administration (FDA), regulatory science is the science of developing new tools, standards, and approaches to assess the safety, efficacy, quality, and performance of FDA-regulated products.

FIVE COURSES, PART-TIME, TWO YEARS

The MS in Regulatory Science degree is earned through successful completion of five online courses in as little as two years. In each course, students are assessed via projects, online presentations, and mini-reviews.

Five Semesters

Drug, Biologics, and Device Regulation (6 credits) ***Fall Semester***

Drug and Biologics Discovery (6 credits) ***Spring Semester***

Drug and Biologics Development (6 credits) ***Summer Semester***

Clinical Research (6 credits) ***Fall Semester***

Regulated Products in the Marketplace (6 credits) ***Spring Semester***

Who Should APPLY?

This online program is primarily designed for working professionals with Bachelor of Science (BS) degrees who now work in (or would like to work in) regulatory science at government agencies or in industry.

Potential students include:

- Regulatory affairs associates
- Scientists in research or development
- Clinical associates in clinical affairs or marketed-product support
- Associates in pharmacovigilance and Phase IV research

CONTACT

MS in Regulatory Science
University of Maryland School of Pharmacy
20 Penn Street, HSFII, Room 503B
Baltimore, MD 21201
Phone: 410-706-7241
regsci@rx.umaryland.edu

The Master of Science (MS) in Regulatory Science program at the University of Maryland School of Pharmacy is an online, part-time program *- no classroom required.*

The MS in Regulatory Science is a science-driven program focused on drug and biologics product development and regulation, including aspects of diagnostics, devices, nutritional products, and worldwide regulatory principles.

The program utilizes asynchronous (i.e. pre-recorded) lectures, web conferencing, and online active-learning instruction. In addition to virtual learning students will have the ability to interact with faculty, peers, and their personal industrial regulatory scientist mentor.

Build your regulatory science portfolio!

A graduate of the MS in Regulatory Science program will be able to:

- Devise and implement global strategies for drug, biologic, and device development and evaluation
- Differentiate United States and other regional requirements for drug and biologics product development and registration
- Apply principles of basic and applied pharmaceutical sciences in drug and biologics discovery and development
- Formulate critical elements of chemistry, manufacturing, and controls (CMC) to drug and biologics development
- Relate principles of clinical research design to practices in clinical trial management
- Apply critical elements of risk and utilization to post-marketing surveillance and pharmacoepidemiology, and evaluate economic and human factors that impact drug and biologics use

CAREERS *in Regulatory Science*

With the knowledge and skills obtained through this program, graduates will have access to a number of career opportunities in drug research and development, including but not limited to:

- Regulatory science/affairs positions at pharmaceutical companies, as well as device and biotechnology companies
- Regulatory science/affairs positions at government agencies, such as the Food and Drug Administration (FDA), National Institutes of Health (NIH), Department of Defense, Biomedical Advanced Research and Development Authority, and the Centers for Disease Control (CDC)
- Admission into PhD programs

CENTER OF EXCELLENCE IN REGULATORY SCIENCE AND INNOVATION

The MS in Regulatory Science is complemented by the University of Maryland's Center of Excellence in Regulatory Science and Innovation (CERSI). CERSI is funded by the U.S. Food and Drug Administration (FDA). University researchers work with FDA staff to support the development of new tools, standards, and approaches to assess the safety, efficacy, quality, and performance of FDA-regulated products.

For information about the University of Maryland's collaboration with FDA, and CERSI regulatory science research, training, and exchange, visit www.cersi.umd.edu.