

Certificate in Pharmacogenomics

Certificate Overview

The Pharmacogenomic Certificate Program combines the field of pharmacology with the field of genetics to provide learners with foundational knowledge of how genes affect an individual's response to medications. The knowledge and skills acquired while earning this certificate can be applied to jobs within a wide range of local, national, and international organizations including pharmaceutical companies, private medical organizations, non-profit organizations, and academic institutions.

Duration

Students complete the certificate during an intensive 2 week experience, where the expected time to commit is 40 hours each week for 2 weeks. The 80 total hours of time typically occurs Monday through Friday from 8am-5pm.

Content

Students will learn in small groups (a maximum of 6 per term offering) about pharmacogenetic basics, testing, interpretation, patient counseling, provider and patient consultation, ethics, and more. Students will also be able to observe the process of clinical implementation of pharmacogenetics at Marshfield Clinic, and will be offered pharmacogenetic testing at no cost. At the end of the course there will be a graded final exam that is proctored in person at UW-Madison (or an alternative testing site).

Administration

The [Institute for Clinical and Translational Research](#) (ICTR) partnership between UW-Madison and the [Marshfield Clinic Research Institute](#) (MCRI) provides financial support for this program, which is overseen by the [Center for Precision Medicine Research](#) at MCRI. Each section of the program is taught by outstanding Marshfield Clinic faculty and guest lecturers ranging from Genetic Counselors, to experts from Mayo Clinic, St. Jude Children's Research Hospital.

Tuition & Cost

Unlike most certificate programs, students are not charged a direct fee for participating in this program; however, students are responsible for the following:

- All costs related to taking an online course (e.g., internet connectivity, access to a laptop, etc.)
- Tuition costs related to an independent study (699) course, which will be added to the Spring or Fall semester expenses
- The purchase or rental of course materials

How to Apply

Interested individuals must submit an application using the online [Pharmacogenomics Certificate Application](#) form.



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