

# Certificate in Genetic Epidemiology

Because Genetic Epidemiology is a multidisciplinary field, we expect applicants to come from a variety of backgrounds. However, most individuals who apply to this program are physician-scientists and other clinical investigators, particularly postdoctoral fellows and people with terminal degrees in other related disciplines who seek to gain expertise in Genetic Epidemiology. All prospective students must provide evidence of basic skills in genetics, mathematics and computer programming through course work and documented experience or by passing a proficiency exam.

The 19-credit-unit certificate program is designed to prepare students to work at the interface of Genetics, Biostatistics, Epidemiology, and Computing. The Certificate in Genetic Epidemiology is earned after the successful completion (with a minimum of a B average) of seven core courses plus labs that are normally offered to master's candidates in Biostatistics. To earn the certificate, the following courses may be taken over the course one or two consecutive years:

Code	Title	Units
MSB 503	Statistical Computing with SAS (summer)	2
MSB 560	Biostatistics I (summer)	3
MSB 506	Introduction to R For Data Science (summer)	2
MSB 570	Biostatistics II (fall)	3
MSB 515	Fundamentals of Genetic Epidemiology (fall)	3
MSB 550	Introduction to Bioinformatics (fall)	3
MSB 5483	Human Genetic Analysis (fall)	3
<b>Total Units</b>		<b>19</b>

## Academic Policies

Academic policies for degree programs can be found in the Student Handbook (PDF).

## Prospective Students

Those interested in applying or who would like more information may contact the program recruiter ([gsertl@wustl.edu](mailto:gsertl@wustl.edu)).