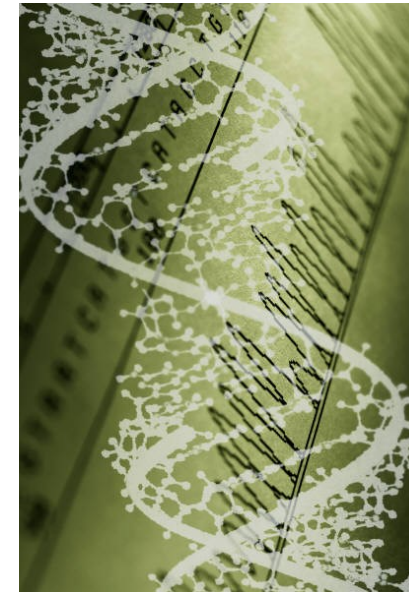


Certificate in Genetic Epidemiology

Enhance your ability to understand and communicate the latest findings in medical research with a Certificate in Genetic Epidemiology from the Division of Biostatistics at Washington University in St. Louis.



Washington University in St. Louis
Division of Biostatistics
Campus Box 8067
660 S. Euclid Ave.
St. Louis, MO 63110

<http://biostatistics.wustl.edu>



Washington
University in St. Louis

SCHOOL OF MEDICINE

The Certificate in Genetic Epidemiology is designed to serve research staff and medical employees, medical students and others who want to learn the fundamentals of Genetic Epidemiology and SAS®. Ideal candidates will have a recent degree (bachelor's or master's) in mathematics, statistics, computer science, biology, pre-med or related fields as well as some research experience or graduate studies. MDs and PhDs may also find the curriculum valuable.

Courses are taught by leading faculty and scientists at Washington University under the direction of D.C. Rao, Director of the Division of Biostatistics.

Material covered in the curriculum includes:

- Statistical Computing with SAS® & R
- Genetic Epidemiology: Fundamentals, Heritability and Segregation
- Linkage and Association: Gene Discovery and Localization for Complex Traits
- Biostatistics: Analysis of Clinical Data
- Bioinformatics: Gene Expression, Data Mining and Pattern Recognition

Prerequisites

- Introduction to Biology
- Introduction to Genetics
- Calculus I
- Calculus II
- Probability
- Computer Programming

Certificate in Genetic Epidemiology

Courses are offered on the campus of the Washington University School of Medicine and must be taken in sequential order, starting in the summer. Tuition is \$1,315 per credit hour. Washington University employees may be eligible for some tuition benefit and should check with their departmental business manager to see what applies.

Semester	Course	Course Number	Credit Hours
Summer	Statistical Computing with SAS®	M21-503	2
	R Primer	M21-506	2
	Fundamentals of Genetic Epidemiology	M21-515	3
	Introduction to Bioinformatics	M21-550	3
Fall	Human Linkage and Association	M21-5483	3
	Biostatistics I (1st half of semester)	M21-560	3
	Biostatistics II (2nd half of semester)	M21-570	3
		Total Credits	19

Single courses may also be taken with the permission of the instructor and Program Manager.

To Apply:

Additional information can be found at the web site for the Division of Biostatistics, <http://biostatistics.wustl.edu>.

You will be required to submit a completed application form, your academic history, a personal statement, curriculum vita and a \$25.00 non-refundable application fee. Official transcripts may also be required.

For questions, contact the Program Manager at biostat-msibs@email.wustl.edu or 314-362-1384.

Washington University in St. Louis Division of Biostatistics

(Program offices and classroom are located on the 5th floor of the Bernard Becker Medical Library.)

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