

Master of Science in Biostatistics

This four-semester, 42-credit-unit program offers excellent training in Biostatistics and Statistical Genetics for students who earned undergraduate or higher degrees with majors in Mathematics, Statistics, Computer Science, Biomedical Engineering, or other related fields. It prepares graduates for rewarding employment in academia and industry and for further graduate studies. Students choose between a traditional Biostatistics pathway or a Statistical Genetics pathway. An internship is a required component of the program, and students have the option to do a thesis project or to enroll in approved elective courses. Students also have the opportunity to enhance their research and statistical training through a paid research assistant position.

Code	Title	Units
AHBR 502	Data Visualization	1
CLNV 5170	Scientific Writing and Publishing	2
MSB 5070	R and Python for Biomedical Sciences	2
MSB 5505	Statistical Computing with SAS	2
MSB 5520	Introduction to Bioinformatics	3
MSB 5530	Biostatistics I	3
MSB 5540	Biostatistics II	3
MSB 5560	Ethics for Biostatistics & Data Science	2
MSB 5570	Study Design and Clinical Trials	3
MSB 5580	Biostats Internship or Mentored Research II	3
Electives from approved list*		6

* For a list of approved electives, please visit our website.

Specific Courses for Each Pathway

Biostatistics

Code	Title	Units
MSB 5565	Survival Analysis	3
PHS 5010	Introduction to Epidemiology	3

Statistical Genetics

Code	Title	Units
MSB 5515	Fundamentals of Genetic Epidemiology	3
MSB 5555	Computational Statistical Genetics	3

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).