

MASTER OF SCIENCE IN HEALTH SCIENCES IN THE FIELD OF IMMUNOHEMATOLOGY AND BIOTECHNOLOGY

The master of science in health sciences in the field of immunohematology and biotechnology degree program is designed to provide certified blood bankers with a strong foundation in Immunohematology as well as molecular biology and biotechnology. Students develop the theoretical knowledge and practical skills for transfusion medicine research positions within hospital labs or blood centers or to become supervisors or managers in a blood banking laboratory.

Visit the program website (<http://smhs.gwu.edu/medical-laboratory-sciences/programs/mshs/curriculum/immunohematology-biotechnology/>) for additional information.

REQUIREMENTS

The following requirements must be fulfilled: 35 credits, including 29 credits in required courses and 6 credits in elective courses.

Code	Title	Credits
Required		
HSCI 6263	Biostatistics Translational Research	
HSCI 6297	Independent Study for Health Professionals	
MLS 6141	Advanced Immunology and Serology	
MLS 6158	Advanced Laboratory Management and Operations	
MLS 6213	Seminar in Immunohematology	
MLS 6217	Medical Biotechnology	
MLS 6218	Genetics	
MLS 6219	Molecular Biology	
MLS 6244	Research Ethics and Integrity	
MLS 6245	Current Topics in Medical Laboratory Science	
MLS 6246	Capstone Project	
Electives		
Two of the following:		
HSCI 6223	Topics in Health Care Leadership	

HSCI 6240	Issues and Trends in the Health Care System
HSCI 6270	Research Methods for the Health Professions I
HSCI 6271	Research Methods for the Health Professions II
MLS 6216	Microbial Pathogenesis
MLS 6242	Molecular Pathology
MLS 6243	Education and Assessment in MLS