

BIOMEDICAL LABORATORY SCIENCES

OVERVIEW

The Department of Biomedical Laboratory Sciences offers certificate, undergraduate, and graduate programs that combine biology, medicine, public health and technology. These programs are STEM-focused and produce highly competent and capable biomedical scientists that are ready to enter the workforce or to move into advanced degree programs in medicine, public health or the basic sciences.

Visit the department website (<https://bls.smhs.gwu.edu/>) for more information.

UNDERGRADUATE

Bachelor's programs

- Bachelor of Science in Health Sciences with a major in clinical embryology and assisted reproductive technology (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/bshs-clinical-embryology-and-assisted-reproductive-technology/>)
- Bachelor of Science in Health Sciences with a major in medical genetics and molecular biology (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/bshs-medical-genetics-and-molecular-biology/>)
- Bachelor of Science in Health Sciences with a major in medical laboratory science (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/bshs-medical-laboratory-science/>)
- Secondary Bachelor of Science in Health Sciences with a major in clinical embryology and assisted reproductive technology (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/secondary-bshs-clinical-embryology-and-assisted-reproductive-technology/>)
- Secondary Bachelor of Science in Health Sciences with a major in medical genetics and molecular biology (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/secondary-bshs-medical-genetics-molecular-biology/>)
- Secondary Bachelor of Science in Health Sciences with a major in medical laboratory sciences (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/bshs-medical-laboratory-science/#secondbachelorstext>)

Minors

- Minor in molecular biology (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/minor-molecular-biology/>)
- Minor in microbiology (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/minor-microbiology/#admissionstext>)

MASTER'S

Master's programs

- Master of Science in Health Sciences in the field of biomedical laboratory science, advanced practice and leadership concentration (<https://bulletin.gwu.edu/medicine-health-sciences/graduate-programs/mshs-biomedical-laboratory-science-advanced-practice-leadership-concentration/>)
- Master of Science in Health Sciences in the field of biomedical laboratory science, general studies concentration (<https://bulletin.gwu.edu/medicine-health-sciences/graduate-programs/mshs-biomedical-laboratory-science-general-studies-concentration/>)
- Master of Science in Health Sciences in the field of biomedical laboratory science, immunohematology and biotechnology concentration (<https://bulletin.gwu.edu/medicine-health-sciences/graduate-programs/mshs-biomedical-laboratory-science-immunohematology-biotechnology-concentration/>)
- Master of Science in Health Sciences in the field of biomedical laboratory science, translational microbiology concentration (<https://bulletin.gwu.edu/medicine-health-sciences/graduate-programs/mshs-biomedical-laboratory-science-translational-microbiology-concentration/>)
- Master of Science in Health Sciences in the field of clinical laboratory management (<https://bulletin.gwu.edu/medicine-health-sciences/graduate-programs/mshs-clinical-laboratory-management/>)
- Master of Science in Health Sciences in the field of clinical microbiology (<https://bulletin.gwu.edu/medicine-health-sciences/graduate-programs/ms-clinical-microbiology/>)
- Master of Science in Health Sciences in the field of laboratory medicine (<https://bulletin.gwu.edu/medicine-health-sciences/graduate-programs/mshs-laboratory-medicine/>)
- Master of Science in Health Sciences in the field of molecular diagnostic science (<https://bulletin.gwu.edu/medicine-health-sciences/graduate-programs/ms-molecular-diagnostics/>)

CERTIFICATES

Post-Baccalaureate Certificate programs

- Medical laboratory science (<https://bulletin.gwu.edu/medicine-health-sciences/certificate-medical-laboratory-science/>)
- Blood banking for medical laboratory science (<https://bulletin.gwu.edu/medicine-health-sciences/certificate-blood-banking-mls/>)
- Chemistry for medical laboratory science (<https://bulletin.gwu.edu/medicine-health-sciences/certificate-chemistry-mls/>)
- Clinical embryology and assisted reproductive technology
- Hematology for medical laboratory science (<https://bulletin.gwu.edu/medicine-health-sciences/certificate-hematology-mls/>)

- Microbiology for medical laboratory science (<https://bulletin.gwu.edu/medicine-health-sciences/certificate-microbiology-mls/>)
- Microbiology for medical laboratory science (<https://bulletin.gwu.edu/medicine-health-sciences/certificate-microbiology-mls/>)
- Medical genetics and molecular biology (<https://bulletin.gwu.edu/medicine-health-sciences/certificate-medical-genetics-and-molecular-biology/>)

Graduate Certificate program

- Clinical laboratory management (<https://bulletin.gwu.edu/medicine-health-sciences/certificate-clinical-laboratory-management/>)

COMBINED

Combined programs

- Dual Bachelor of Science in Health Sciences with a major in medical laboratory sciences and Master of Science in Health Sciences in the field of molecular diagnostic sciences (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/dual-bshs-mls-mshs-mds/>)
- Dual Bachelor of Science in Health Sciences with a major in medical genetics and molecular biology and Master of Science in Health Sciences in the field of clinical microbiology (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/dual-bshs-medical-genetics-and-molecular-biology-mshs-clinical-microbiology/>)