

Dear Laboratory Manager/Clinical Coordinator,

The Medical Laboratory Science Program at The George Washington University offers certificate, bachelors, and, master's degree programs to individuals interested in pursuing a career in the clinical laboratory. Our program is a unique blend of online coursework combined with clinical instruction in accredited clinical laboratories. Applicants residing outside the Washington, DC area who wish to complete the clinical practicums in their area of residence must be able to identify an acceptable clinical laboratory willing to provide the clinical instruction. Students become eligible to enter clinical rotations upon successful completion of all their didactic courses.

You are reading this letter because a potential applicant has contacted you and desires to complete their clinical practicums in your laboratory. The program strives to ensure that student clinical experiences are consistent no matter the location and provide exposure to the broad spectrum of modern laboratory testing. The program provides clinical objectives and competency checklists in addition to evaluations to assist you in evaluating the student's mastery of the expected skills during clinical practicums.

We are requesting your assistance at this time to determine whether the program clinical requirements can be accomplished at your facility. Please complete the Clinical Site Verification (CSV) form provided with this letter. Once the form has been completed, please give them to the applicant who will return it to the GW MLS program as part of the application process. Registration will be withheld if the program has not received a completed Clinical Site Verification.

Upon receiving the CSV, the GW MLS clinical coordinator will contact your facility to further coordinate this process and initiate an affiliation agreement. We appreciate your thoughtful consideration to support this innovative program for individuals who wish to begin or advance their career in the medical laboratory. If you have any questions, please do not hesitate to contact us.

Clinical Coordinator
Medical Laboratory Sciences
mlsclinicals@gwu.edu

CLINICAL SITE VERIFICATION

This form is to be filled out by the education/clinical coordinator or the lab director/manager who can act as a liaison between institutions to provide clinical experience for the following student. Once this form is received, the clinical coordinator at GWU will contact the clinical site to establish an affiliation agreement. This is not a legally binding document.

Student's Name: _____

Institution: _____

Address: _____

Lab Manager or Contact at the Site: _____

E-mail: _____

Phone: _____

Accredited by (check all that apply):

Joint Commission CLIA COLA CAP Other (please list):

GRADUATE MLS PROGRAMS ROTATION AMOUNTS

MSHS in Molecular Diagnostic Science Program

Clinical Area	Practicum Course Name	Number of Credits	Length in Weeks*	Length In Hours**
Molecular Diagnostics	Molecular Diagnostics Practicum (MLS 6166)	3	6	240

MSHS in Clinical Microbiology Program

Clinical Area	Practicum Course Name	Number of Credits	Length in Weeks*	Length In Hours**
Microbiology	Clinical Microbiology Practicum (MLS 4164)	4	4	160

*Standard GW Schedule; Clinical Rotations are Monday through Friday, 8 hours/day.

** The individual clinical site may choose to allocate the clinical experience hours in other than the standard schedule.

UNDERGRADUATE MLS PROGRAMS ROTATION AMOUNTS

Rotation Area	Standard Rotation (non-MLT certified)		MLS Certificate Program		Shortened Rotation (MLT certified)		BSHS Program	
	Length In Weeks*	Length in Hours**	Certificate Practicum Courses	Number of Credits	Length in Weeks*	Length in Hours**	BSHS Practicum Courses	Number of Credits
Chemistry	4	160	Clinical Biochemistry Practicum MLS 4161	4	2	80	Clinical Experience I MLS 4136	2
Microbiology	4	160	Clinical Microbiology Practicum MLS 4164	4	2	80	Clinical Experience II MLS 4137	2
Hematology	2	80	Hematology Practicum MLS 4162	2	2	80	Clinical Experience III MLS 4138	2
Urinalysis	1	40	Urinalysis Practicum MLS 4165	1				
Coagulation	1	40	Coagulation Practicum MLS 4166	1				
Blood Bank	4	160	Blood Bank Practicum MLS 4160	4	2	80	Clinical Experience IV MLS 4139	2

Non-MLT certified MLS certificate students must complete the standard amount and take certificate practicum courses. **MLT certified MLS certificate** students may elect to do shortened rotations and will take certificate practicum courses. **MLT certified BSHS** students may elect to do shortened rotations and will take BSHS practicum courses (Clinical Experiences)

Categorical certificate students (i.e. Microbiology certificate, Chemistry certificate, Blood Bank certificate, Hematology certificate) will only take the practicum course(s) in their specific area of study.

Shortened rotations for MLT certified students are based on competency in each area. If the student is unable to demonstrate competency within the given timeframe, they may be asked to complete the standard amount or more to meet competency standards.

Rotation lengths listed are minimum rotation amounts.

*Standard GW Schedule; Clinical Rotations are Monday through Friday, 8 hours/day.

** The individual clinical site may choose to allocate the clinical experience hours in other than the standard schedule.

BLOOD BANK	
<i>Procedure</i>	<i>Y/N</i>
<i>Must have all procedures marked with asterisk (*)</i>	
*ABO and Rh typing	
*DAT	
*IAT – antibody screens	
*Antibody identification	
*Crossmatches	
*Test for other blood group antigens	
*QC/QA (reagents, equipment)	
Emergency release procedures	
Routine Problem Solving (can be demonstrated via discussions)	
Rh immune globulin work-up	
Transfusion reaction investigation	
Hemolytic disease of the fetus and newborn (HDFN) work up	
Immune hemolytic anemias	
CHEMISTRY	
<i>Must have at least 8 of the procedures marked with (*):</i>	
*Glucose	
*Lipids/ Lipoproteins	
*Proteins	
*Enzymes	
*Non-protein nitrogen (BUN, etc)	
*Heme Compounds	
*Electrolytes	
*Immunochemistry	
*Electrophoresis	
*Blood gases	
*Point-of-Care	
*Hormones/Vitamins	
*Therapeutic Drug Monitoring	
*Toxicology	
*QC procedures	
HEMATOLOGY/ COAGULATION/URINALYSIS	
<i>Must have all procedures marked with (*)</i>	
*CBC (Complete Blood Count)	
*Blood smear and differential	
*PT / APTT	
*Routine UA	
*UA Microscopic examination	
*QC procedures	

*Body fluid analysis (smear, cell counts, evaluation)	
D-dimer	
Fibrinogen	
Factor Assays	
Sickle Cell	
ESR	
MICROBIOLOGY	
<i>Must have at least 3 of the procedures marked with (*)</i>	
*Bacteriology (mandatory)	
*Molecular Microbiology (PCR, etc)	
*Mycobacteriology	
*Mycology	
*Parasitology	
*Virology	
Set-up cultures	
Smear, Gram-Stains, Evaluation	
Read plates all benches	
Blood cultures	
Antimicrobial Susceptibility Tests	
ID Procedures (Manual/Automated)	
SEROLOGY	
Latex agglutination tests	
Enzyme immunoassays (EIA)	
Flow cytometry	
Ag/Ab: Infectious Diseases	
Ag/Ab: Autoimmune Diseases	
MOLECULAR DIAGNOSTICS	
Nucleic Acid Manipulation (DNA/RNA processing, extractions)	
Nucleic acid amplification (i.e., PCR, qPCR, etc.)	
Fluorescent in situ hybridization (FISH)	
Nucleic acid blotting and probes (Genprobe, Westerns, Northern, Southern, Microarrays)	
Histocompatibility	
Spectrometry (i.e., Mass spec)	
Genotyping	
Sequencing (i.e., Sanger, Next generation, etc.)	

Please indicate if these procedures are performed at your facility.