



College of Nursing & Health Sciences

UMass Dartmouth

Department of Medical Laboratory Science

Online MLS Student Support and Competency Checklist

Prospective Online Student:

Facility Name:

City/State/Zip Code:

The individual listed above has expressed an interest in participating in the University of Massachusetts Dartmouth, online BS degree completion in Medical Laboratory Science (MLS). This program track, which is accredited by NAACLS, provides the applicant with the opportunity to advance their educational status and obtain national certification as a Medical Laboratory Scientist.

The clinical practicum course work requirements are scheduled in the last year of study and must be completed at an approved clinical site. Since ASCP requires a medical laboratory scientist to demonstrate competency in moderate and high complexity testing including pre- and post-analytical components (e.g., quality assurance) in ALL of the areas listed in their **GUIDELINES FOR EVALUATING EXPERIENCE OF A CANDIDATE**, please place a check by each area in which this applicant has demonstrated competency under your supervision by using The Guidelines for Evaluating Experience of a Candidate for Medical Laboratory Scientist (found on the next pages).

Students will be given a list of clinical competencies that must be met to successfully complete the clinical practicum course(s). If the student is not already deemed competent under your supervision, the student will require full rotations and the clinical facility should schedule times for the student to complete the required learning outcomes, which must be outside of working hours (students cannot be "on the clock" during educational experiences).

Blood Banking	<input type="checkbox"/>	Immunology	<input type="checkbox"/>
Chemistry	<input type="checkbox"/>	Microbiology	<input type="checkbox"/>
Hematology	<input type="checkbox"/>	Urinalysis and Body Fluids	

Lab Director/Manager			
E-Mail			
Phone			
Facility Name			
Address			
City/State/Zip Code			
Laboratory Accreditation	CAP CLIA	TJC Other	COLA

Laboratory Director/Manager Signature

Date

GUIDELINES FOR EVALUATING EXPERIENCE OF A CANDIDATE

MEDICAL LABORATORY SCIENTIST

To qualify for certification as a medical laboratory scientist, the applicant should be competent to perform **ALL** of the tests and procedures indicated. The medical laboratory scientist should have the equivalent knowledge and skill to those of a graduate of an accredited Medical Laboratory Scientist program.

AREA OF EXPERIENCE	EXTENT OF EXPERIENCE
BLOOD BANKING	<ul style="list-style-type: none"> Specimen collection, evaluation, and processing ABO, Rh, and other blood group system typing by serological and/or molecular methods Antibody detection and identification Blood component storage and use Compatibility testing HDFN testing* <p><i>*Competency for this task may be demonstrated through performance, observation, or simulation.</i></p> <ul style="list-style-type: none"> Transfusion adverse reaction testing Processing and administration of blood products Instrument preventive maintenance and troubleshooting Quality control / assurance Laboratory safety Problem solving / troubleshooting
CHEMISTRY	<ul style="list-style-type: none"> Specimen collection, evaluation, and processing Basic analytical methodology including electrolytes, blood gases*, glucose, blood urea nitrogen, creatinine, bilirubin, enzymes, lipids, and proteins <p><i>*Competency for this task may be demonstrated through performance, observation, or simulation.</i></p> <ul style="list-style-type: none"> Immunoassays Endocrinology and tumor markers Therapeutic drug monitoring / toxicology* <p><i>*Competency for this task may be demonstrated through performance, observation, or simulation.</i></p> <ul style="list-style-type: none"> Instrument preventive maintenance and troubleshooting Quality control / assurance Laboratory safety Problem solving / troubleshooting
HEMATOLOGY	<ul style="list-style-type: none"> Specimen collection, evaluation, and processing Blood smear preparation, evaluation, and differential Complete blood count Miscellaneous tests (e.g., reticulocyte, ESR, sickle screen) Routine coagulation tests (e.g., PT, APTT, D-dimer) Other coagulation tests (e.g., factor assays, fibrinogen, platelet function studies)*



MEDICAL LABORATORY SCIENTIST
EXPERIENCE DOCUMENTATION FORM (Routes 2, 4, 5 & 6)

	<p><i>*Competency for this task may be demonstrated through performance, observation, or simulation.</i></p> <ul style="list-style-type: none">• Instrument preventive maintenance and troubleshooting• Quality control / assurance• Laboratory safety• Problem solving / troubleshooting
IMMUNOLOGY	<ul style="list-style-type: none">• Specimen collection, evaluation, and processing• Manual or automated serological tests (e.g., hepatitis, rubella, syphilis, rheumatoid arthritis, heterophile antibody)• Instrument preventive maintenance and troubleshooting• Quality control / assurance• Laboratory safety• Problem solving / troubleshooting
MICROBIOLOGY	<ul style="list-style-type: none">• Specimen collection, evaluation, and processing• Antibiotic susceptibility testing*<p><i>*Competency for this task may be demonstrated through performance, observation, or simulation.</i></p>• Culture evaluation*<p><i>*Competency for this task may be demonstrated through performance, observation, or simulation.</i></p><ul style="list-style-type: none">• Media selection• Microscopic examination of specimens• Manual, automated, and/or molecular methods for detection and identification of microorganisms• Instrument preventive maintenance and troubleshooting• Quality control / assurance• Laboratory safety• Problem solving / troubleshooting
URINALYSIS AND OTHER BODY FLUIDS	<ul style="list-style-type: none">• Specimen collection, evaluation, and processing• Routine urinalysis• Routine evaluation of other body fluids• Instrument preventive maintenance and troubleshooting• Quality control / assurance• Laboratory safety• Problem solving / troubleshooting