

Program**Contact****Updated**

**Clinical Laboratory Science:
Microbiology Concentration**

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The Clinical Laboratory Science: Microbiology (MLS) Concentration program at Northern Michigan University will grant students ASCP MLT certification and eligibility for national microbiology categorical certification.

Licensure: In most states, a state license is not required to work as a microbiologist. In states that require a state license, the program meets all educational requirements, though not the training requirements in Florida, Hawaii, and Nevada.

State	Meets State Educational Requirements	Does NOT Meet State Educational Requirements	Board Name & Website	Comments
Alabama	X			State licensure is not required.
Alaska	X			State licensure is not required.
American Samoa	X			State licensure is not required.
Arizona	X			State licensure is not required.
Arkansas	X			State licensure is not required.

State	Meets State Educational Requirements	Does NOT Meet State Educational Requirements	Board Name & Website	Comments
California		X	California Department of Health Services https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/CLS.aspx	<p>Education Bachelor's degree (baccalaureate) in microbiology or equivalent major. Official transcripts must verify the completion of 25 semester or equivalent quarter units of microbiology courses, which must include medical microbiology or pathogenic microbiology or bacteriology. Examples of microbiology courses include, but are not limited to, parasitology, virology, mycology, mycobacteriology, serology, molecular techniques, immunology, and basic microbiology.</p> <p>Training or Experience Minimum one year of post-baccalaureate training or minimum one year of work experience in all areas of the specialty of microbiology, microbiology including bacteriology, mycobacteriology, mycology, parasitology, and virology; immunology, including diagnostic immunology and syphilis serology; and molecular biology in a clinical laboratory that possesses a certificate issued under CLIA for performing high complexity testing in the specialty of microbiology.</p> <p>Training or work experience must be in a laboratory certified under CLIA (usually in the U.S.) and acceptable to the Department. For a list of training programs approved by the Department, see CLS Training Programs link.</p> <p>Official verification of training or work experience must be on letterhead and signed by the training coordinator or laboratory director, and must show the beginning and ending dates of the training or experience. This information should cover all areas in which the rotation was completed with a description of the clinical laboratory tests or examinations performed. Document can be uploaded during the online application process.</p> <p>If you lack applicable training or work experience you may want to consider applying for a CLS trainee license.</p> <p>Examinations The ASCP certification for Technologist or Specialist in Microbiology is approved by the Department for Clinical Microbiologist Scientist licensure as of March 1, 2004. Applicants who are certified before the above date must re-take the certifying examination. Please note that the International ASCP Certification version is not acceptable. The U.S. Certification is required for this license.</p> <p>Failure to pass the written certification examination two times requires a waiting period of one year before taking the exam again. A third failure requires a two year wait. Thereafter, the examination may not be taken more frequently than once in two years.</p> <p>Applicants will also have to complete the online California quiz on state laboratory laws and regulations. During the application submission process, you will automatically be required to take and pass the online California Quiz on state laboratory laws and regulations.</p>
Colorado	X			State licensure is not required.
Connecticut	X			State licensure is not required.
Delaware	X			State licensure is not required.

State	Meets State Educational Requirements	Does NOT Meet State Educational Requirements	Board Name & Website	Comments
District of Columbia	X			State licensure is not required.
Florida		X	Florida Board of Clinical Laboratory Personnel 64B3-5.003.doc	Bachelors Degree (or higher) in Clinical Laboratory, Chemical, or Biological Science; 90 semester hours college credit; Associate Degree in Clinical/Medical Laboratory Technology; Successfully completed a Department of Defense clinical laboratory training program or 5 years of pertinent clinical laboratory experience with one year of experience in each specialty area for which licensure is sought
Georgia	X		Georgia Department of Community Health, Healthcare Facility Regulation Division https://rules.sos.state.ga.us/gac/111-8-10	There is not state licensure, but state law requires that within 18 months a student must pass national certification (AAB, AMT, and ASCP accepted)
Guam	X			State licensure is not required.
Hawaii		X	Hawaii Department of Health State Laboratory Division https://health.hawaii.gov/statelab/licensing/	Bachelor's degree from an accredited college or university in a pertinent chemical, physical, or biological science; 1 year of full-time experience in a laboratory acceptable to the department in the specialty for which licensure is sought and pass a qualifying examination. OR 1 year of training in an accredited program in the specialty for which licensure is sought and pass a qualifying exam;
Idaho	X			State licensure is not required.
Illinois	X			State licensure is not required.
Indiana	X			State licensure is not required.
Iowa	X			State licensure is not required.
Kansas	x			State licensure is not required.
Kentucky	X			State licensure is not required.
Louisiana	X		Louisiana Licensure Division https://www.lsbme.la.gov/content/application-instructions-initial-licensure-clinical-laboratory-personnel	Must apply for state licensure. MLS ASCP certification is required.
Maine	X			State licensure is not required.
Maryland	X			State licensure is not required.
Massachusetts	X			State licensure is not required.
Michigan	X			State licensure is not required.
Minnesota	X			State licensure is not required.
Mississippi	X			State licensure is not required.

State	Meets State Educational Requirements	Does NOT Meet State Educational Requirements	Board Name & Website	Comments
Missouri	X			State licensure is not required.
Montana	X		Montana Board of Clinical Laboratory Science Practitioners https://boards.bsd.dli.mt.gov/clinical-laboratory-science-practitioners/license-information/clinical-laboratory-specialist	Must have graduated from an accredited college or university with a baccalaureate degree with at least 36 semester or 54 quarter hours in the physical and biological sciences. MLS ASCP certification is required.
Nebraska	X			State licensure is not required.
Nevada		X	Nevada Medical Laboratory Services https://www.leg.state.nv.us/NAC/NAC-652.html	(a) Pass a national examination for certification in the specialty, if such an examination is given; (b) Be a high school graduate or the equivalent; and (c) Have: (1) Completed at least 1 year of a formal program of training in the specialty, which is approved by the Division; or (2) At least 2 consecutive years of experience working in the specialty, during the 5 years immediately preceding application for certification, in a laboratory under the supervision of a director who possesses a doctoral degree.
New Hampshire	X			State licensure is not required.
New Jersey	X			State licensure is not required.
New Mexico	X			State licensure is not required.

State	Meets State Educational Requirements	Does NOT Meet State Educational Requirements	Board Name & Website	Comments
New York		X	<p>New York Clinical Laboratory Evaluation Program</p> <p>https://www.op.nysed.gov/professions/clinical-laboratory-technologists/full-license-requirements</p>	<p>Must apply for state licensure.</p> <p>MLS(ASCP) certification approved for licensure purposes; students must pass the examination with a converted score of at least 75 as determined by the State Board for Clinical Laboratory Technology</p> <p>A program is determined to be “substantially equivalent to a registered NY CLS (MLS) program, if it:</p> <p>b. is a program leading to an associate or higher degree which contains didactic and clinical education that integrates pre-analytical, analytical, and post-analytical components of laboratory services, including the principles and practices of quality assurance/ quality improvement;</p> <p>c. includes coursework, which shall include a laboratory component in each area, in each of the following subject areas or their equivalent as determined by the department:</p> <ul style="list-style-type: none"> inorganic chemistry; clinical chemistry; physiology, with anatomy content; microbiology, including clinical microbiology; immunology and serology; hematology/ hemostasis; clinical microscopy, including body fluids; and immunohematology; <p>c. includes curricular content in each of the following subject areas or their equivalent as determined by the department:</p> <ul style="list-style-type: none"> statistics; infection control and universal precautions; and ethics; and <p>d. includes a supervised clinical experience of at least 30 hours per week for at least 24 weeks (i.e. 720 hours) or its equivalent as determined by the department, in the practice of clinical laboratory technician, which provides the student with clinical experience that includes but is not limited to: hematology, hemostasis, immunohematology, immunology, clinical chemistry, urinalysis/body fluids, and clinical microbiology.</p>
North Carolina	X			State licensure is not required.

State	Meets State Educational Requirements	Does NOT Meet State Educational Requirements	Board Name & Website	Comments
North Dakota	X		North Dakota Board of Clinical Laboratory Practice https://www.ndclinlab.com/licenserequirements.asp	Requires a Bachelor's or higher degree with a major in one of the chemical, physical, or biological sciences and may only perform functions directly related to the person's particular specialty. Successful completion of a national certifying examination approved by the Board in a specialty area is also required.
Northern Mariana Islands	X			State licensure is not required.
Ohio	X			State licensure is not required.
Oklahoma	X			State licensure is not required.
Oregon	X			State licensure is not required.
Pennsylvania	X			State licensure is not required.
Puerto Rico	X		https://casetext.com/statute/laws-of-puerto-rico/title-twenty-examining-boards-and-professional-colleges/chapter-13-board-of-examiners-of-medical-technologists/281g-revalidation-examination-requirements?searchWithin=true&listingIndexId=laws-of-puerto-rico&q=medical%20laboratory%20science&type=statute&sort=relevance&p=1&tab=keyword&jxs=	Must apply for state licensure. MLS ASCP certification is required.
Rhode Island	X			State licensure is not required.
South Carolina	X			State licensure is not required.
South Dakota	X			State licensure is not required.
Tennessee	X		Tennessee Medical Laboratory Board https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://www.tn.gov/content/dam/tn/health/documents/Medical_Laboratory_Personnel_Application_(PH-1056).pdf&ved=2ahUKEwj85rmDz5CGAxWZl4kEHVtJAykQFnoECA4QAw&usg=AOvVaw21XqDeCueI_U5zuaqp5tlh	Must apply for state licensure. MLS ASCP certification is required.
Texas	X			State licensure is not required.
US Virgin Islands	X			State licensure is not required.
Utah	X			State licensure is not required.
Vermont	X			State licensure is not required.
Virginia	X			State licensure is not required.

State	Meets State Educational Requirements	Does NOT Meet State Educational Requirements	Board Name & Website	Comments
Washington	X			State licensure is not required.
West Virginia	X		West Virginia Office of Laboratory Science, Department of HHS https://dhhr.wv.gov/ols/regulatory/Pages/Licensure.aspx	Must apply for state licensure. MLS ASCP certification is required.
Wisconsin	X			State licensure is not required.
Wyoming	X			State licensure is not required.