MEDICAL LABORATORY TECHNOLOGY (AAS)

Associate of Applied Science

Career-Technical Program
Interest Areas: Healthcare

The Medical Laboratory Technology (MLT) program prepares graduates to work as medical lab technicians qualified to perform various laboratory procedures, including low-, medium-, and high-complexity testing. The MLT program includes instruction in the laboratory disciplines of microbiology, hematology, medical chemistry, transfusion medicine, urinalysis, and lab operations. Coursework is closely connected to student laboratory opportunities. After completing the theory for the discipline, clinical internship experiences are arranged offering students opportunities to practice in real-world laboratory environments.

Upon completion of the program, students are eligible to sit for a national certification examination. The certification of choice for most employers is through the American Society of Clinical Pathology (ASCP) Board of Certification. An individual must pass this examination to be eligible for most employment opportunities in medical labs in Idaho and Washington.

The Medical Laboratory Technology program is a competitive admissions program. Ten (10) students are admitted to the Professional Component of the program each spring semester. Program requirements other than the Professional Component are open to all students who meet the specific course prerequisites. An AAS degree can be obtained in a 24-month course of study following completion of the Program Requirements. A minimum grade point average of C+/2.3 is required in all MLT courses.

Contact Information:
Health Professions Division
Meyer Health and Sciences Building, Room 257
Phone: (208) 676-7132
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=102)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td>14-15</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
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<tr>
<td>MATH-143</td>
<td>College Algebra (or higher)</td>
<td>3</td>
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<tr>
<td>BIOL-175 or BIOL-227</td>
<td>Human Biology or Human Anatomy and Physiology I</td>
<td>4</td>
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<tr>
<td>CHEM-101 or CHEM-111</td>
<td>Introduction to Chemistry or General Chemistry I</td>
<td>4-5</td>
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<tr>
<td>Semester 2</td>
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<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
<td>4</td>
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<tr>
<td>CHEM-275 or CHEM-112</td>
<td>Carbon Compounds or Principles of General College Chemistry II</td>
<td>3-5</td>
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<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communications</td>
<td>3</td>
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Course Key

GEM WICHE AAS Gateway Passport Institutionally Designated Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Be clinically competent.
  - Students will demonstrate the skills necessary to perform entry level competencies as a medical lab technician with routine medical laboratory tests in areas such as Chemistry, Hematology and Hemostasis, Immunology, Blood Banking, Microbiology, Urine and Body Fluid Analysis, and Laboratory Operations.

- Have appropriate critical decision skills.
  - Students will demonstrate knowledge in all types of laboratory testing (simple to complex) and
  - Students will recognize routine and non-routine issues in pre-analytical, analytical, post-analytical lab processes.

- Exhibit professionalism.
  - Students will demonstrate professional and ethical behavior by membership and active participation in laboratory or related professional organizations.
  - Students will model professional conduct by: respecting the feelings and needs of others, protecting the confidence of patient information, and not allowing personal concerns and biases to interfere with the welfare of patients

- Utilize appropriate communication and interpersonal skills.
  - Students will demonstrate effective communication skills to ensure accurate and appropriate information transfer.
• Students will professionally and accurately report laboratory results, adapt communication to their audience and work with all members of the healthcare team.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.